AUTHOR INDEX TO VOLUME 99

Abad-Lacruz A. See Cabre E
Abucham J, Reichlin S. Cysteamine Induces Cholecystokinin Release From the Duodenum. Evidence for Somatostatin As an Inhibitory Paracrine Regulator of Cholecystokinin Secretion in the Rat, 99:1633
Acero D. See Cabre E
Achord JL
  Another Important Effect of *Helicobacter pylori* Infection, 99:1185-ss
  Not All Fatty Livers Are Benign, 99:282-ss
Adair O. See Rector WG Jr.
Afdhal NH, Offner GD, Smith BF. Characterization of Bovine Gallbladder Mucin. Amino Acid Sequences of Tryptic Peptides From the Glycosylated Domain of the Protein Core, 99:1493
Agarwal SK. See Misra SP
Agnone LM. See Layden TJ
Ahnen DJ. *Colorectal Cancer: From Pathogenesis to Prevention*, 99:1536-br
Aiges H. See Markowitz J
Aigner A. See Schmassmann A
Akahane Y, Yamanaka T, Suzuki H, Sugai Y, Tsuda F, Yotsumoto S, Omi S, Okamoto H, Miyakawa Y, Mayumi M. Chronic Active Hepatitis With Hepatitis B Virus DNA and Antibody Against e Antigen in the Serum. Disturbed Synthesis and Secretion of e Antigen From Hepatocytes Due to a Point Mutation in the Precore Region, 99:1113
Akamatsu K. See Taketa K
Akkermans LMA. See Breumelhof R
Akriviadis EA, Steindel H, Pinto PC, Fong T-L, Kanel G, Reynolds T, Gupta S. Failure of Colchicine to Improve Short-Term Survival in Patients With Alcoholic Hepatitis, 99:811
Alagille D. See Laurent J
Alberts J. See Groszmann RJ
Albrecht C. See Meier R
Aldini R. See Festi D
Alexander GJM. See Naoumov NV
Allison MC, Poulter LW, Dhillon AP, Pounder RE. Immunohistological Studies of Surface Antigen on Colonic Lymphoid Cells in Normal and Inflamed Mucosa. Comparison of Follicular and Lamina Propria Lymphocytes, 99:421
Alstead EM, Ritchie JK, Lennard-Jones JE, Farthing MJG, Clark ML. Safety of Azathioprine in Pregnancy in Inflammatory Bowel Disease, 99:443
Amidon GL. See Oberle RL
Andre C. See Lassoued K
Andrieux J. See Larrey D
Angellotti MA. See Schmassmann A
Ansari A. See Yoshida T
Antov S. See Kilander A
Arab N. See Ghishan FK
Arend R. See Gourley GR
Armenti VT. See Stampfl DA
Arnoux R. See LeBail B
Arroyo V. See Planas R
Asano S. See Takeguchi M
Asbert M. See Planas R
Asztely M. See Kilander A
Atnip RG. See Liberski SM
Auer GU. See Weger A-R
Auricchio S
  De Ritis G, De Vincenzi M, Gentile V, Maiuri L, Mancini E, Porta R, Raia V. Amines Protect In Vitro the Celiac Small Intestine From the Damaging Activity of Gliadin Peptides, 99:1668
  De Ritis G, De Vincenzi M, Magazzu G, Maiuri L, Mancini E, Minetti M, Sapora O, Silano V. Mannan and Oligomers of *N*-Acetylglucosamine Protect Intestinal Mucosa of Celiac Patients With Active Disease From In Vitro Toxicity of Gliadin Peptides, 99:973
Axelson J
  Ekelund M, Sundler F, Hakanson R. Enhanced Hyperplasia of Gastric Enterochromaffinlike Cells in Response to Omeprazole-Evoked Hypergastrinemia in Rats With Portacaval Shunts. An Immunocytochemical and Cytochemical Study, 99:635
  See Ryberg B

Babany G. See Larrey D
Baggi MT. See D'Adda T
Baird DD, Narendranathan M, Sandler RS. Increased Risk of Preterm Birth for Women With Inflammatory Bowel Disease, 99:987
Baker JP
  See Naylor CD
  See O'Rourke K
Balabaud C. See LeBail B
Balas D. See Moreau J
Ballard DJ. See Cameron AJ
Banerjee AK, Peters TJ. Crohn's Disease and NSAID Enteropathy—A Unifying Model, 99:1190-c
Barbara L. See Gaiani S
Bar-Meir S. See Bruck R
Barnett JL. See Oberle RL
Barrett KE
  Dharmsathaphorn K. Mitogens Control Na^+/H^+ Antiporter Activity by Phosphorylation, 99:565-ss
  See Dharmsathaphorn K
Barrett LJ. See Marshall BJ
Barrett TA, Chang EB. What's All the Flap About? A New 5-Lipoxygenase-Binding Protein Identified! 99:1185-ss
Barros GJ, Vakil N, Gutkowska J, Sellin J, Potter GD. Atrial Natriuretic Factor and Cyclic Guanosine Monophosphate: Ion Transport in Rat Colon In Vitro and In Vivo, 99:1153
Bartolomé J, Moraleda G, Molina J, Dominguez F, Porres JC, Carreño V. Hepatitis B Virus DNA in Liver and Peripheral Blood Mononuclear Cells During Reduction in Virus Replication, 99:1745
Baskin DG. See Francis BH
Bassendine MF. See Heseltine L
Batt RM, Vaillant C, Simpson KW. Concerning a Published Paper on Cobalamin-Binding Proteins, 99:1195-c
Baumgart MA. See LeSage GD
Bayless TM
  See Fox CC
  See Sitzmann JV
Bazzoli F
  See Festi D
  See Senior JR
Beaugerie L
  Flourié B, Marteau P, Pellier P, Franchisseur C, Rambaud J-C. Digestion and Absorption in the Human Intestine of Three Sugar Alcohols, 99:717
  See Cosnes J
Beaugrand M. See Labadie H
Beaurepaire J. See Ellard K
Beglinger C. See Meier R
Belghiti J. See Valgrain V
Belle SH. See Rabinovitz M
Benhamou J-P
  See Larrey D
  See Lassoued K
  See Zafrani ES
Benninger J. See Ell C
Bermann M. See Groszmann RJ
Bernard JP. See Sarles H
Bernard O. See Laurent J
Bernuau J. See Larrey D
Beubler E, Horina G. 5-HT_2 and 5-HT_3 Receptor Subtypes Mediate Cholera Toxin-Induced Intestinal Fluid Secretion in the Rat, 99:83
Beukers R. See Van Berkum FNR
Beyls J. See Rutgeerts P
Biancani P. See Hillemeier C
Bianchi GP. See Marchesini G
Biddle WL, Miner PB Jr. Long-Term Use of Mesalamine Enemas to Induce Remission in Ulcerative Colitis, 99:113
Biemond I. See Jansen JBMJ
Bills EB. See Bonkovsky HL
Bioulac-Sage P. See LeBail B
Birkenhäger JC. See Van Berkum FNR

KEY TO ABBREVIATIONS
ar–audiovisual review
br–book review
c–correspondence
cc–clinical conference
cr–case report
ctt–clinical trends and topics
e–editorial
hs–historical series
pa–progress article
ra–review article
ss–selected summary

AUTHOR INDEX TO VOLUME 99

Abad-Lacruz A. See Cabre E
Abucham J, Reichlin S. Cysteamine Induces Cholecystokinin Release From the Duodenum. Evidence for Somatostatin As an Inhibitory Paracrine Regulator of Cholecystokinin Secretion in the Rat, 99:1633
Acero D. See Cabre E
Achord JL
  Another Important Effect of *Helicobacter pylori* Infection, 99:1185-ss
  Not All Fatty Livers Are Benign, 99:282-ss
Adair O. See Rector WG Jr.
Afdhal NH, Offner GD, Smith BF. Characterization of Bovine Gallbladder Mucin. Amino Acid Sequences of Tryptic Peptides From the Glycosylated Domain of the Protein Core, 99:1493
Agarwal SK. See Misra SP
Agnone LM. See Layden TJ
Ahnen DJ. *Colorectal Cancer: From Pathogenesis to Prevention*, 99:1536-br
Aiges H. See Markowitz J
Aigner A. See Schmassmann A
Akahane Y, Yamanaka T, Suzuki H, Sugai Y, Tsuda F, Yotsumoto S, Omi S, Okamoto H, Miyakawa Y, Mayumi M. Chronic Active Hepatitis With Hepatitis B Virus DNA and Antibody Against e Antigen in the Serum. Disturbed Synthesis and Secretion of e Antigen From Hepatocytes Due to a Point Mutation in the Precore Region, 99:1113
Akamatsu K. See Taketa K
Akkermans LMA. See Breumelhof R
Akriviadis EA, Steindel H, Pinto PC, Fong T-L, Kanel G, Reynolds T, Gupta S. Failure of Colchicine to Improve Short-Term Survival in Patients With Alcoholic Hepatitis, 99:811
Alagille D. See Laurent J
Alberts J. See Groszmann RJ
Albrecht C. See Meier R
Aldini R. See Festi D
Alexander GJM. See Naoumov NV
Allison MC, Poulter LW, Dhillon AP, Pounder RE. Immunohistological Studies of Surface Antigen on Colonic Lymphoid Cells in Normal and Inflamed Mucosa. Comparison of Follicular and Lamina Propria Lymphocytes, 99:421
Alstead EM, Ritchie JK, Lennard-Jones JE, Farthing MJG, Clark ML. Safety of Azathioprine in Pregnancy in Inflammatory Bowel Disease, 99:443
Amidon GL. See Oberle RL
Andre C. See Lassoued K
Andrieux J. See Larrey D
Angellotti MA. See Schmassmann A
Ansari A. See Yoshida T
Antov S. See Kilander A
Arab N. See Ghishan FK
Arend R. See Gourley GR
Armenti VT. See Stampfl DA
Arnoux R. See LeBail B
Arroyo V. See Planas R
Asano S. See Takeguchi M
Asbert M. See Planas R
Asztely M. See Kilander A
Atnip RG. See Liberski SM
Auer GU. See Weger A-R
Auricchio S
  De Ritis G, De Vincenzi M, Gentile V, Maiuri L, Mancini E, Porta R, Raia V. Amines Protect In Vitro the Celiac Small Intestine From the Damaging Activity of Gliadin Peptides, 99:1668
  De Ritis G, De Vincenzi M, Magazzu G, Maiuri L, Mancini E, Minetti M, Sapora O, Silano V. Mannan and Oligomers of *N*-Acetylglucosamine Protect Intestinal Mucosa of Celiac Patients With Active Disease From In Vitro Toxicity of Gliadin Peptides, 99:973
Axelson J
  Ekelund M, Sundler F, Hakanson R. Enhanced Hyperplasia of Gastric Enterochromaffinlike Cells in Response to Omeprazole-Evoked Hypergastrinemia in Rats With Portacaval Shunts. An Immunocytochemical and Cytochemical Study, 99:635
  See Ryberg B

Babany G. See Larrey D
Baggi MT. See D'Adda T
Baird DD, Narendranathan M, Sandler RS. Increased Risk of Preterm Birth for Women With Inflammatory Bowel Disease, 99:987
Baker JP
  See Naylor CD
  See O'Rourke K
Balabaud C. See LeBail B
Balas D. See Moreau J
Ballard DJ. See Cameron AJ
Banerjee AK, Peters TJ. Crohn's Disease and NSAID Enteropathy—A Unifying Model, 99:1190-c
Barbara L. See Gaiani S
Bar-Meir S. See Bruck R
Barnett JL. See Oberle RL
Barrett KE
  Dharmsathaphorn K. Mitogens Control Na^+/H^+ Antiporter Activity by Phosphorylation, 99:565-ss
  See Dharmsathaphorn K
Barrett LJ. See Marshall BJ
Barrett TA, Chang EB. What's All the Flap About? A New 5-Lipoxygenase-Binding Protein Identified! 99:1185-ss
Barros GJ, Vakil N, Gutkowska J, Sellin J, Potter GD. Atrial Natriuretic Factor and Cyclic Guanosine Monophosphate: Ion Transport in Rat Colon In Vitro and In Vivo, 99:1153
Bartolomé J, Moraleda G, Molina J, Dominguez F, Porres JC, Carreño V. Hepatitis B Virus DNA in Liver and Peripheral Blood Mononuclear Cells During Reduction in Virus Replication, 99:1745
Baskin DG. See Francis BH
Bassendine MF. See Heseltine L
Batt RM, Vaillant C, Simpson KW. Concerning a Published Paper on Cobalamin-Binding Proteins, 99:1195-c
Baumgart MA. See LeSage GD
Bayless TM
  See Fox CC
  See Sitzmann JV
Bazzoli F
  See Festi D
  See Senior JR
Beaugerie L
  Flourié B, Marteau P, Pellier P, Franchisseur C, Rambaud J-C. Digestion and Absorption in the Human Intestine of Three Sugar Alcohols, 99:717
  See Cosnes J
Beaugrand M. See Labadie H
Beaurepaire J. See Ellard K
Beglinger C. See Meier R
Belghiti J. See Valgrain V
Belle SH. See Rabinovitz M
Benhamou J-P
  See Larrey D
  See Lassoued K
  See Zafrani ES
Benninger J. See Ell C
Bermann M. See Groszmann RJ
Bernard JP. See Sarles H
Bernard O. See Laurent J
Bernuau J. See Larrey D
Beubler E, Horina G. 5-HT_2 and 5-HT_3 Receptor Subtypes Mediate Cholera Toxin-Induced Intestinal Fluid Secretion in the Rat, 99:83
Beukers R. See Van Berkum FNR
Beyls J. See Rutgeerts P
Biancani P. See Hillemeier C
Bianchi GP. See Marchesini G
Biddle WL, Miner PB Jr. Long-Term Use of Mesalamine Enemas to Induce Remission in Ulcerative Colitis, 99:113
Biemond I. See Jansen JBMJ
Bills EB. See Bonkovsky HL
Bioulac-Sage P. See LeBail B
Birkenhäger JC. See Van Berkum FNR

KEY TO ABBREVIATIONS
ar–audiovisual review
br–book review
c–correspondence
cc–clinical conference
cr–case report
ctt–clinical trends and topics
e–editorial
hs–historical series
pa–progress article
ra–review article
ss–selected summary

Blackstone MO. Can Alcohol Cause True Acute Pancreatitis, 99:1544-c
Bloom SR. See Takahashi K
Bodner E. See Weger A-R
Boivin M, Lanspa SJ, Zinsmeister AR, Go VLW, DiMagno EP. Are Diets Associated With Different Rates of Human Interdigestive and Postprandial Pancreatic Enzyme Secretion? 99:1763
Bolondi L. See Gaiani S
Bond JH. See Church TR
Bonkovsky HL
Slaker DP, Bills EB, Wolf DC. Usefulness and Limitations of Laboratory and Hepatic Imaging Studies in Iron-Storage Disease, 99:1079
See Yoshida T
Bordi C. See D'Adda T
Bories P. See Diaz D
Borislow DS. See Brazer SR
Bortolini M. See Frezza M
Bortolotti F, Cadrobbi P, Crivellaro C, Guido M, Rugge M, Noventa F, Calzia R, Realdi G. Long-Term Outcome of Chronic Type B Hepatitis in Patients Who Acquire Hepatitis B Virus Infection in Childhood, 99:805
Borum M, Fromm H. Expression of HLA Molecules on Hepatocytes: Does Ursodeoxycholic Acid Prevent Immunologic Injury? 99:561-ss
Bosch J. See Groszmann RJ
Botero RC. See Cavanzo FJ
Bouisson M. See Moreau J
Bovell KT. See Tougas G
Bowers RL. See Li YF
Boyd AJ, Sherman IA, Saibil FG, Mamelak M. The Protective Effect of γ-Hydroxybutyrate in Regional Intestinal Ischemia in the Hamster, 99:860
Boyd CAR. See Marin JJG
Boyer JL. See Hayakawa T
Bradley DW, Krawczynski K, Ebert JW, McCaustland KA, Choo Q-L, Houghton MA, Kuo G. Parenterally Transmitted Non-A, Non-B Hepatitis: Virus-Specific Antibody Response Patterns in Hepatitis C Virus-Infected Chimpanzees, 99:1054
Braganza JM. Abnormal Drug Metabolism in Chronic Pancreatitis: Treatment With Antioxidants. Reply, 99:1856-c
Brandtzaeg P. See Kett K
Brasseur JG. See Dantas RO
Brattebo G. See Kyvik KR
Brazer SR, Borislow DS, Liddle RA. Cholecystokinin Is Not a Major Hormonal Regulator of Lower Esophageal Sphincter Pressure, 99:641
Brenard R. See Lassoued K
Bresnick WH, Hogan DL, Isenberg JI. Delayed Measurement of Bicarbonate Secretion In Vitro, 99:1854-c
Breumelhof R, Nadorp JHSM, Akkermans LMA, Smout AJPM. Analysis of 24-Hour Esophageal Pressure and pH Data in Unselected Patients With Noncardiac Chest Pain, 99:1257
Brombacher P. See Thijs C
Broström O. See Löfberg R
Brotschi EA, Pattavino J, Williams LF Jr. Intrinsic Nerves Affect Gallbladder Contraction in the Guinea Pig, 99:826
Brouet J-C. See Lassoued K
Brousse N. See Cuenod B
Brown ML. See Greydanus MP
Bruce B. See Talley NJ
Bruck R, Krepel Z, Bar-Meir S. Cimetidine and Omeprazole Have Different Effects on Hepatic Extraction of Lidocaine in Rats, 99:857
Bruzzone R. The Molecular Basis of Enzyme Secretion, 99:1157
Bryant HE. See De Boer Visser N
Bryson GR. See Graham MF
Brzozowski T. See Konturek PK
Buchan AMJ
Curtis SB, Meloche RM. Release of Somatostatin Immunoreactivity From Human Antral D Cells in Culture, 99:690
See Campos RV
Bueno L. See Junien J-L
Buffet C. See Cadranel J-F
Buikhuisen WA. See Thompson JF
Bukhave K, Rask-Madsen J, Hogan DL, Koss MA, Isenberg JI. Proximal Duodenal Prostaglandin E_2 Release and Mucosal Bicarbonate Secretion Are Altered in Patients With Duodenal Ulcer, 99:951
Burakoff R. See Percy WH
Burchert M. See Schmiegel W
Burget DW, Chiverton Sg, Hunt RH. Is There an Optimal Degree of Acid Suppression for Healing of Duodenal Ulcers? A Model of the Relationship Between Ulcer Healing and Acid Suppression, 99:345
Burmer GC, Levine DS, Kulander BG, Haggitt RC, Rubin CE, Rabinovitch PS. C-Ki-*ras* Mutations in Chronic Ulcerative Colitis and Sporadic Colon Carcinoma, 99:416
Burnstock G
See Milner P
See Ralevic V
Burroughs AK, McCormick PA, Hughes MD, Sprengers D, D'Heygere F, McIntyre N. Randomized, Double-Blind, Placebo-Controlled Trial of Somatostatin for Variceal Bleeding. Emergency Control and Prevention of Early Variceal Rebleeding, 99:1388
Burton MB. See Percy WH
Buscail L. See Moreau J
Butzow G. See Schmiegel W
Byrd JC. See Itzkowitz SH
Byth K
See Li Z-L
See Pym B
Cabre E, Gonzalez-Huix F, Abad-Lacruz A, Esteve M, Acero D, Fernandez-Banares F, Xiol X, Gassull MA. Enteral Nutrition and Malnourished Cirrhotic Patients. Reply, 99:1192-c
Cadranel J-F, Cadranel J, Buffet C, Fabre M, Pelletier G, d'Agay M-F, Ink O, Roche A, Milleron B, Etienne J-P. Nodular Regenerative Hyperplasia of the Liver, Peliosis Hepatis, and Perisinusoidal Fibrosis. Association With Angioimmunoblastic Lymphadenopathy and Severe Hypoxemia, 99:268-cr
Cadranel J. See Cadranel J-F
Cadrobbi P. See Bortolotti F
Calabuig R, Weems WA, Moody FG. Choledochoduodenal Flow: Effect of the Sphincter of Oddi in Opossums and Cats, 99:1641
Calam J. See Freeman TC
Cales P, Pascal J-P. Gastroesophageal Endoscopic Features in Cirrhosis: Comparison of Intracenter and Intercenter Observer Variability, 99:1189-c
Callard P. See Labadie H
Calzia R. See Bortolotti F
Cameron AJ, Zinsmeister AR, Ballard DJ, Carney JA. Prevalence of Columnar-Lined (Barrett's) Esophagus. Comparison of Population-Based Clinical and Autopsy Findings, 99:918
Camilleri M. See Greydanus MP
Campos RV, Buchan AMJ, Meloche RM, Pederson RA, Kwok YN, Coy DH. Gastrin Secretion From Human Antral G Cells in Culture, 99:36
Caplan MS, Sun X-M, Hsueh W. Hypoxia Causes Ischemic Bowel Necrosis in Rats: The Role of Platelet-Activating Factor (PAF-Acether), 99:979
Carlsson E. See Ryberg B
Carney JA. See Cameron AJ
Carreño V. See Bartolomé J
Carroll SL, Roth KA, Gordon JI. Liver Fatty Acid-Binding Protein: A Marker for Studying Cellular Differentiation in Gut Epithelial Neoplasms, 99:1727
Carter EA. See Israel EJ
Cattan D. See Roucayrol AM
Cavanzo FJ, Garcia CF, Botero RC. Chronic Cholestasis, Paucity of Bile Ducts, Red Cell Aplasia, and the Stevens-Johnson Syndrome. An Ampicillin-Associated Case, 99:854
Cederberg C
See Lind T
See Vinayek R
Celle G. See Savarino V
Cello JP. See Wilcox CM
Cerf-Bensussan N. See Cuenod B
Chalasani PVRK. See Mendenhall CL
Chang EB
Posttranslational Processing of *ras* Proteins, 99:276-ss
See Barrett TA
See Musch MW
Cheah SK. See Sun WM

Chen T-S. See Oberle RL
Cheng O. See Hayakawa T
Chiang H-CV, O'Dorisio TM, Huang SC, Maton PN, Gardner JD, Jensen RT. Multiple Hormone Elevations in Zollinger-Ellison Syndrome. Prospective Study of Clinical Significance and of the Development of a Second Symptomatic Pancreatic Endocrine Tumor Syndrome, 99:1565
Chiverton SG. See Burget DW
Choo Q-L. See Bradley DW
Chopra S. See Werth TE
Christie PM, Hill GL. Effect of Intravenous Nutrition on Nutrition and Function in Acute Attacks of Inflammatory Bowel Disease, 99:730
Church TR, Bond JH, Mandel JS. Hemoccult Test and Colorectal Cancer. Reply, 99:608-c
Clark L. See Cohen MM
Clark ML. See Alstead EM
Clayton MM. See Feitelson MA
Clearfield HR. *Manual of Gastroenterology—Diagnosis and Therapy*, 99:285-br
Clerici C. See Schmassmann A
Cobelli C. See Marchesini G
Cohen MM, Yeung R, Wang H-R, Clark L. Human Antral Damage Induced by Alcohol Is Potentiated by Enprostil, 99:45
Colemont LJ. See Greydanus MP
Collen MJ.
  Is Gastric Acid Hypersecretion the Only Reason for Refractory Gastroesophageal Reflux Disease? Reply, 99:1543-c
  See Maton PN
Colley AT. See Mangan TF
Collins SM. See Tougas G
Conn HO
  See Erikkson LS
  See Groszmann RJ
Converse RL Jr. See Sitzmann JV
Cook IJ. See Dantas RO
Corazza GR, Sorge M, Strocchi A, Gasbarrini G. Lactulose Hydrogen Breath Test in the Diagnosis of Bacterial Overgrowth. Reply, 99:1547-c
Corleto V. See D'Adda T
Cornelius MJ. See Maton PN
Correa P. See Fox JG
Corsello BF. See Wright RA
Cosnes J, Lamy P, Beaugerie L, Le Quintrec M, Gendre JP, Le Quintrec Y. Adaptive Hyperphagia in Patients With Postsurgical Malabsorption, 99:1814-cr
Cotton PB, Kozarek RA, Schapiro RH, Nishioka NS, Kelsey PB, Ball TJ, Putnam WS, Barkun A, Weinerth J. Endoscopic Laser Lithotripsy of Large Bile Duct Stones, 99:1128
Courvalin J-C. See Lassoued K
Coy DH. See Campos RV
Crane MR, O'Hanley P, Waldman SA. Rat Intestinal Cell Atrial Natriuretic Peptide Receptor Coupled to Guanylate Cyclase, 99:125
Crivellaro C. See Bortolotti F
Crowe P. See Sandle GI
Crowe R. See Milner P
Crowe SE, Sestini P, Perdue MH. Allergic Reactions of Rat Jejunal Mucosa. Ion Transport Response to Luminal Antigen and Inflammatory Mediators, 99:74
Crusius B. See Zwiers A
Cryer B, Goldschmiedt M, Redfern JS, Feldman M. Comparison of Salsalate and Aspirin on Mucosal Injury and Gastroduodenal Mucosal Prostaglandins, 99:1616
Cuenod B, Brousse N, Goulet O, De Potter S, Mougenot J-F, Ricour C, Guy-Grand D, Cerf-Bensussan N. Classification of Intractable Diarrhea in Infancy Using Clinical and Immunohistological Criteria, 99:1037
Cullen MR. See Redlich CA
Cummings DR. Acute Necrotizing Esophagitis, 99:1193-c
Curry BJ. See Freeman TC
Curtis SB. See Buchan AMJ
Cutruzzola FW. See Kapadia CR

D'Adda T, Corleto V, Pilato FP, Baggi MT, Robutti F, Delle Fave G, Bordi C. Quantitative Ultrastructure of Endocrine Cells of Oxyntic Mucosa in Zollinger-Ellison Syndrome. Correspondence With Light Microscopic Findings, 99:17
Dadufalza VD. See Krugliak P
d'Agay M-F. See Cadranel J-F
Dagorn JC. See Sarles H
Dahiya R. See Itzkowitz SH
Daly J-A. See Sun WM
D'Amico G, Montalbano L, Traina M, Pisa R, Menozzi M, Spano C, Pagliaro L. Natural History of Congestive Gastropathy in Cirrhosis, 99:1558
Daniele B, Quaroni A. Polarized Secretion of Diamine Oxidase by Intestinal Epithelial Cells and Its Stimulation by Heparin, 99:1675
Danner D. See Yoshida T
Danon F. See Lassoued K
Dantas RO, Cook IJ, Dodds WJ, Kern MK, Lang IM, Brasseur JG. Biomechanics of Cricopharyngeal Bars, 99:1269
Darragh TM. See Wilcox CM
Das KM. Reactivity of Aggregated Immunoglobulin in Crohn's Disease, 99:904-c
Daujat M. See Diaz D
Daum F. See Markowitz J
David E. See Maton PN
De Boer Visser N, Bryant HE, Hershfield NB. Predictors of Hospitalization Early in the Course of Crohn's Disease. A Pilot Study, 99:380
De Bruinje JW. See Jansen JBMJ
Deckelbaum LI. See Kapadia CR
Degos F. See Lassoued K
Degott C
  See Larrey D
  See Lassoued K
  See Valgrain V
Delle Fave G. See D'Adda T
Dembinski A. See Konturek PK
Dent J. See Tougas G
Depoortere I, Peeters TL, Vantrappen G. Development of Motilin Receptors and of Motilin- and Erythromycin-Induced Contractility in Rabbits, 99:652
De Potter S. See Cuenod B
De Ritis G. See Auricchio S
De Schryver K. Concerning a Published Paper on Cobalamin-Binding Proteins. Reply, 99:1196-c
DeSoignie R
  Sellin JH. Acid-Base Regulation of Ion Transport in Rabbit Ileum In Vitro, 99:132
  See Sellin JH
Detsky A
  See Naylor CD
  See O'Rourke K
DeTurck DM. See Senior JR
Devereaux M. See Sokol RJ
De Vincenzi M. See Auricchio S
De Vries EG. See Van Der Meer R
De Vries HT. See Van Der Meer R
Dharmsathaphorn K
  Barrett KE. Allergic Reactions After Gastric Function, 99:1184-ss
  Barrett KE. Central Regulation of Duodenal Bicarbonate Secretion, 99:278-ss
  See Barrett KE
D'Heygere F. See Burroughs AK
Dhillon AP. See Allison MC
Dhumeaux D
  See Lassoued K
  See Zafrani ES
Dial EJ. See Lichtenberger LM
Diaz D, Fabre I, Daujat M, Saint Aubert B, Bories P, Michel H, Maurel P. Omeprazole Is an Aryl Hydrocarbon-like Inducer of Human Hepatic Cytochrome P450, 99:737
Di Bisceglie AM. See Kaneko S
Diegelmann RF. See Graham MF
Diehl AM, Thorgeirsson SS, Steer CJ. Ethanol Inhibits Liver Regeneration in Rats Without Reducing Transcripts of Key Protooncogenes, 99:1105
Dienstag JL. Hepatitis Non-A, Non-B: C At Last, 99:1177-e
DiMagno EP. See Boivin M
Dindzans VJ. See Rabinovitz M
Dines G. See Erickson RA
Di Padova C. See Frezza M
Dobbins WO III. *Gastrointestinal Pathology*, 99:284-br
Dodds WJ. See Dantas RO
Doffoel M. See Zafrani ES
Dominguez F. See Bartolomé J
Domschke W. See Ell C
Donker AJM. See Zwiers A
Donnelly TC. See Sun WM
Donowitz M. Eicosanoids in Amebiasis. Reply, 99:1857-c

Doppman JL. See Frucht H
Douvin C. See Zafrani ES
Drossman DA. See Garrett JW
Dwivedi M. See Misra SP

Eaker EY, Shaw G, Sninsky CA. Neurofilament Immunoreactivity in Myenteric Neurons Differs From That Found in the Central Nervous System, 99:1364
Ebert JW. See Bradley DW
Eckardt VF. Geopathology of Early Gastric Cancer. Reply, 99:1540-c
Eddleston ALWF. See Naoumov NV
Eidus LB, Rasuli P, Manion D, Heringer R. Caliber-Persistent Artery of the Stomach (Dieulafoy's Vascular Malformation), 99:1507-cr
Ekelund M. See Axelson J
Eleno N. See Marin JJG
Elias EG. See Meirowitz RF
Ell C, Kerzel W, Schneider HT, Benninger J, Wirtz P, Domschke W, Hahn EG. Piezoelectric Lithotripsy: Stone Disintegration and Follow-up Results in Patients With Symptomatic Gallbladder Stones, 99:1439
Ellard K, Beaurepaire J, Jones M, Piper D, Tennant C. Acute and Chronic Stress in Duodenal Ulcer Disease, 99:1628
El-Mir MY. See Marin JJG
Elson CO. Primary Biliary Cirrhosis in a Mouse? 99:1181-ss
Endo Y. See Taketa K
Enriquez R. See Kapadia CR
Ensinck JW. See Francis BH
Erickson RA, Tarnawski A, Dines G, Stachura J. 16,16-Dimethyl Prostaglandin E_2 Induces Villus Contraction in Rats Without Affecting Intestinal Restitution, 99:708
Erikkson LS, Conn HO. Branched-Chain Amino Acid in Hepatic Encephalopathy, 99:604-c
Erlinger S. See Valgrain V
Esteve M. See Cabre E
Etienne J-P. See Cadranel J-F
Everson GT. See Reveille RM

Fabre I. See Diaz D
Fabre M. See Cadranel J-F
Faisal MA, Russell RM, Samloff IM, Holt PR. *Helicobacter pylori* Infection and Atrophic Gastritis in the Elderly, 99:1543-c
Falkmer UG. See Weger A-R
Fallick F. See Percy WH
Farrell GC, Murray M. Human Cytochrome P450 Isoforms. Their Genetic Heterogeneity and Induction by Omeprazole, 99:885-e
Farthing MJG. See Alstead EM
Fausa O. See Kett K
Feinstone SM. See Kaneko S
Feitelson MA, Clayton MM. X Antigen/Antibody Markers in Hepadnavirus Infections. Antibodies to the X Gene Product(s), 99:500
Feldman M
See Cryer B
See Inman L
Fernandez-Banares F. See Cabre E
Ferns B. See Naoumov NV
Ferrell LD. See Niederau C
Festen HPM. See Jansen JBMJ
Festi D, Frabboni R, Bazzoli F, Sangermano A, Ronchi M, Rossi L, Parini P, Orsini M, Primerano AMM, Mazzella G, Aldini R, Roda E. Gallbladder Motility in Cholesterol Gallstone Disease. Effect of Ursodeoxycholic Acid Administration and Gallstone Dissolution, 99:1779
Feurle GE. Arteriovenous Shunting and Cholestasis in Hepatic Hemangiomatosis Associated With Metoclopramide, 99:258-cr
Fevery J. See Van Steenbergen W
Fiaccadori F. See Frezza M
Field FJ, Kam NTP, Mathur SN. Regulation of Cholesterol Metabolism in the Intestine, 99:539
Finan TM. See Termanini B
Fioramonti J. See Junien J-L
Fischer R. See Groszmann RJ
Fisher MJ. See Mittal RK
Fleming L. See Redlich CA
Flemstrom G. Delayed Measurement of Bicarbonate Secretion In Vitro. Reply, 99:1855-c
Flourie B, Rambaud JC. Breath Hydrogen Testing in Patients With Partial Gastric Resection. Reply, 99:604-c
See Beaugerie L
Fong T-L. See Akriviadis EA
Fordtran JS. See Strygler B
Forquignon I. See Lenz HJ
Forsmark CE. See Wilcox CM
Foster HM, Whitehead RH. Intravenous but Not Intracolonic Epidermal Growth Factor Maintains Colonocyte Proliferation in Defunctioned Rat Colorectum, 99:1710
Fox CC, Lazenby AJ, Moore WC, Yardley JH, Bayless TM, Lichtenstein LM. Enhancement of Human Intestinal Mast Cell Mediator Release in Active Ulcerative Colitis, 99:119
Fox JG
Correa P, Taylor NS, Lee A, Otto G, Murphy JC, Rose R. *Helicobacter mustelae*-Associated Gastritis in Ferrets. An Animal Model of *Helicobacter pylori* Gastritis in Humans, 99:352
See Lee A
Frabboni R. See Festi D
Franchisseur C. See Beaugerie L
Francis BH, Baskin DG, Saunders DR, Ensinck JW. Distribution of Somatostatin-14 and Somatostatin-28 Gastrointestinal-Pancreatic Cells of Rats and Humans, 99:1283
Freeman TC, Curry BJ, Calam J, Woodburn JR. Pancreatic Secretory Trypsin Inhibitor Stimulates the Growth of Rat Pancreatic Carcinoma Cells, 99:1414
Freiberg E. See Israel EJ
Frezza M, Surrenti C, Manzillo G, Fiaccadori F, Bortolini M, Di Padova C. Oral S-Adenosylmethionine in the Symptomatic Treatment of Intrahepatic Cholestasis. A Double-Blind, Placebo-Controlled Study, 99:211
Fromm H. See Borum M
Frommer DJ. Hemoccult Test and Colorectal Cancer, 99:607-c
Frucht H
Norton JA, London JF, Vinayek R, Doppman JL, Gardner JD, Jensen R, Maton PN. Detection of Duodenal Gastrinomas by Operative Endoscopic Transillumination. A Prospective Study, 99:1622
See Vinayek R
Fujii N. See Miyasaka K
Fujiwara K. See Mochida S
Fuller PJ. See Taylor RG
Funakoshi A. See Miyasaka K
Funakoshi S. See Miyasaka K
Fussey SPM. See Heseltine L

Gaginella TS. See Zimmerman BJ
Gaiani S, Libassi S, Zironi G, Bolondi L, Barbara L. Caution in the Interpretation of Doppler Signals of Hepatocellular Carcinoma, 99:1860-c
Garcia CF. See Cavanzo FJ
Garcia-Tsao G. See Groszmann RJ
Gardner JD
See Chiang H-CV
See Frucht H
See Maton PN
See Vinayek R
Garrett JW, Drossman DA. Health Status in Inflammatory Bowel Disease. Biological and Behavioral Considerations, 99:90
Gartside PS. See Mendenhall CL
Garvey TQ. See Hyman PE
Gasbarrini G. See Corazza CR
Gasser I. See Gomez-Jimenez J
Gassull MA
See Cabre E
See Planas R
Gauthier F. See Laurent J
Gavaler JS. See Rabinovitz M
Geboes K. See Rutgeerts P
Geenen JE. See Venu RP
Gendre JP. See Cosnes J
Gentile V. See Auricchio S
Gerdes H. Surveillance After Colon Cancer: Is It Worthwhile? 99:1849-ss
Gertner DJ. See Rampton DS
Ghatel MA. See Takahashi K
Ghishan FK, Arab N, Shibata H. Intestinal Phosphate Transport in Spontaneously Hypertensive Rats and Genetically Matched Controls, 99:106
Ghosn S. See Mendenhall CL
Giaffer MH, Holdsworth CD. Elemental Versus Polymeric Feeding in Patients With Crohn's Disease—Is There Really a Winner? Reply, 99:893-ss

Giannella RA. See Romeo DP
Gimson A, Polson R, Westaby D, Williams R. Omeprazole in the Management of Intractable Esophageal Ulceration Following Injection Sclerotherapy, 99:1829-cr
Ginès A. See Planas R
Giorgi D. See Sarles H
Glaser K. See Weger A-R
Go VLW. See Boivin M
Goldenberg SP
Wain SL, Marignani P. Antibiotic-Associated Acute Necrotizing Esophagitis. Reply, 99:900-c
Wain SL, Marignani P. Acute Necrotizing Esophagitis. Reply, 99:1193-c
Goldschmiedt M. See Cryer B
Goldstein JL. See Layden TJ
Gomez G. See Hashimoto T
Gomez-Jimenez J, Ribera E, Gasser I, Pahissa A, Martinez-Vazquez JM. Differentiation of Spontaneous From Secondary Bacterial Peritonitis in Cirrhotics, 99:1538-c
Gonzalez-Huix F. See Cabre E
Gorbach SL. Bismuth Therapy in Gastrointestinal Diseases, 99:863
Gordon JI. See Carroll SL
Goulet O. See Cuenod B
Gourley GR, Kreamer B, Arend R. Excremental Studies in Human Neonates. Identification of Zinc Coproporphyrin as a Marker for Meconium, 99:1705
Goyal RK. Our New Publisher, 99:274-e
Grace ND. See Groszmann RJ
Graham MF, Bryson GR, Diegelmann RF. Transforming Growth Factor β_1 Selectively Augments Collagen Synthesis by Human Intestinal Smooth Muscle Cells, 99:447
Grancher K. See Markowitz J
Granger DN. See Zimmerman BJ
Greeley GH Jr. See Hashimoto T
Green GM. See Ohta H
Green PHR, O'Toole KM, Slonim D. Geopathology of Early Gastric Cancer, 99:1540-c
Greenberg HL. *Surgery of Anorectal Diseases: With Pre- and Postoperative Management*, 99:1852-br
Grendell JH
Manual of Clinical Problems in Gastroenterology, 99:569-br
See Niederau C
See Wilcox CM
Greten H. See Schmiegel W
Greydanus MP, Camilleri M, Colemont LJ, Phillips SF, Brown ML, Thomforde GM. Ileocolonic Transfer of Solid Chyme in Small Intestinal Neuropathies and Myopathies, 99:158
Griffin PM, Olmstead LC, Petras RE. *Escherichia coli* 0157:H7-Associated Colitis. A Clinical and Histological Study of 11 Cases, 99:142
Grimm H. See Schmiegel W
Grisham MB. See Zimmerman BJ
Grossman CJ. See Mendenhall CL
Groszmann RJ, Bosch J, Grace ND, Conn HO, Garcia-Tsao G, Navasa M, Alberts J, Rodes J, Fischer R, Bermann M, Rofe S, Patrick M, Lerner E. Hemodynamic Events in a Prospective Randomized Trial of Propranolol Versus Placebo in the Prevention of a First Variceal Hemorrhage, 99:1401
Grundy D. See Sun WM
Gu J-J. See Xia Y
Guan D. See Ohta H
Gue M. See Junien J-L
Guerrant RL. See Marshall BJ
Guido M. See Bortolotti F
Guillory DJ. See Zimmerman BJ
Guo Y-S, Thompson JC, Singh P. Role of Gastrin in Bombesin-Stimulated Somatostatin Release, 99:1297
Gupta R. See Misra SP
Gupta S. See Akriviadis EA
Guth PH. See Yonei Y
Gutkowska J. See Barros GJ
Guy-Grand D. See Cuenod B
Gyr K. See Meier R

Haas GP. See Haas PA
Haas PA, Haas GP. The Prevalence of Hemorrhoids and Chronic Constipation, 99:1856-c
Hadchouel M. See Laurent J
Hagey LR. See Schmassmann A
Haggitt RC. See Burmer GC
Hahn EG. See Ell C
Håkanson R
See Axelson J
See Ryberg B
Hakim B. See Layden TJ
Halabi A. See Kirch W
Haley-Russell D. See Li YF
Hällgren R. See Lavö B
Halstensen TS. Complement Deposits in Inflammatory Bowel Disease. Reply, 99:1541-c
Hambidge KM. See Sokol RJ
Hamilton SR. *Adenomatous Polyps of the Colon: Pathobiological and Clinical Features*, 99:899-br
Hanauer SB. See Lashner BA
Hardcastle JD. See Whynes DK
Hashimoto T, Kogire M, Lluis F, Gomez G, Tatemoto K, Greeley GH Jr, Thompson JC. Stimulatory Effect of Pancreastatin on Gastric Acid Secretion in Conscious Dogs, 99:61
Hasler WL. *Motilin*, 99:1537-br
Havinga R. See Verkade HJ
Hayakawa T, Cheng O, Ma A, Boyer JL. Taurocholate Stimulates Transcytotic Vesicular Pathways Labeled by Horseradish Peroxidase in the Isolated Perfused Rat Liver, 99:216
Hayashi H, Higuchi T, Ichimiya H, Hishida N, Sakamoto N. Asymptomatic Primary Sclerosing Cholangitis Treated With Ursodeoxycholic Acid, 99:533
Hecker H. See Miholic J
Heiselman DE, Malik M, White LJ. Hemodynamic Status During Famotidine Infusion, 99:1540-c
Heringer R. See Eidus LB
Hershfield NB. See De Boer Visser N
Heseltine L, Turner IB, Fussey SPM, Kelly PJ, James OFW, Yeaman SJ, Bassendine MF. Primary Biliary Cirrhosis. Quantitation of Autoantibodies to Purified Mitochondrial Enzymes and Correlation With Disease Progression, 99:1786
Hiele M. See Rutgeerts P
Higgs N. See Sandle GI
Higuchi T. See Hayashi H
Hildebrand P. See Meier R
Hill GL. See Christie PM
Hillemeier C, Biancani P. Mechanical Properties of Obstructed Colon in a Hirschsprung's Model, 99:995
Hinrichsen H. See Kirch W
Hirata K. See Mochida S
Hirota K. See Nagakawa J
Hishida N. See Hayashi H
Hishinuma I. See Nagakawa J
Hoefs JC. Diagnostic Paracentesis. Reply, 99:903-c
Hofmann AF
See Schmassmann A
See Xia Y
See Zakko SF
Hogan DL
See Bresnick WH
See Bukhave K
Hogan WJ. See Venu RP
Holdsworth CD. See Giaffer MH
Hollander D
See Krugliak P
See Ma T
Holt PR. See Faisal MA
Holzer P. See Yonei Y
Hoofnagle JH. See Kaneko S
Hopman WPM. See Van Erpecum KJ
Horina G. See Beubler E
Hossack KF. See Rector WG Jr
Houghton MA. See Bradley DW
Hoyle CHV. See Ralevic V
Hsueh W. See Caplan MS
Huang SC. See Chiang H-CV
Hughes MD. See Burroughs AK
Hunt DR, Scott AJ. Bile Duct Emptying in Response to Fat: A Validation Study, 99:1480
Hunt RH
See Burget DW
See Tougas G
Hyman PE, Garvey TQ. What Is Functional Disease and How Do You Measure It? Reply, 99:1849-ss

Iber F. *Hepatitis A*, 99:1188-br
Ichimiya H. See Hayashi H
Ink O. See Cadranel J-F
Inman L, Lee SK, Shah IA, Thirlby RC, Feldman M. Effect of Truncal Vagotomy on Parietal Cell Mass and Antral Gastrin Cell Mass in Dogs, 99:1581

Isenberg JI
See Bresnick WH
See Bukhave K
Iseri O
See Johnson LN
See Meirowitz RF
Ishak KG. See Nehra A
Ishihara Y. See Semba D
Israel EJ, Schiffrin EJ, Carter EA, Freiberg E, Walker WA. Prevention of Necrotizing Enterocolitis in the Rat With Prenatal Cortisone, 99:1333
Ito I. See Muro H
Itoh Z. See Iwanaga Y
Itzkowitz SH, Dahitz R, Byrd JC, Kim YS. Blood Group Antigen Synthesis and Degradation in Normal and Cancerous Colonic Tissues, 99:431
Iwanaga Y, Miyashita N, Morikawa K, Mizumoto A, Kondo Y, Itoh Z. A Novel Water-Soluble Dopamine-2 Antagonist With Anticholinesterase Activity in Gastrointestinal Motor Activity. Comparison With Domperidone and Neostigmine, 99:401

Jacobson ED. A Year of Challenge and Change. The Presidential Address, 99:1551
James OFW
See Heseltine L
See Mitchison HC
Jansen JBMJ
Klinkenberg-Knol EC, Meuwissen SGM, De Bruijne JW, Festen HPM, Snel P, Lückers AEG, Biemond I, Lamers CBHW. Effect of Long-Term Treatment With Omeprazole on Serum Gastrin and Serum Group A and C Pepsinogens in Patients With Reflux Esophagitis, 99:621
See Van Erpecum KJ
Jansen W. See Nelis GF
Jarrell BE. See Stampfl DA
Jensen RT
See Chiang H-CV
See Frucht H
See Maton PN
See Vinayek R
Jiménez W. See Planas R
Johanson JF, Sonnenberg A. The Prevalence of Hemorrhoids and Chronic Constipation. Reply, 99:1857-c
Johnson GK. See Venu RP
Johnson LN, Iseri O, Knodell RG. Caseating Hepatic Granulomas in Hodgkin's Lymphoma, 99:1837
Johnson MF. See Senior JR
Johnson PJ. See McFarlane IG
Jones M. See Ellard K
Jones PM. See Takahashi K
Jorens PG. See Pelckmans PA
Junien J-L, Gue M, Pascaud X, Fioramonti J, Bueno L. Selective Stimulation of Colonic Motor Response to a Meal by σ Ligands in Dogs, 99:684

Kadden ML. See Sharkey MF
Kagnoff MF. Ulcerative Colitis and T-Cell Receptor α-Chain Polymorphisms, 99:288-c
Kaji T. See Semba D
Kalser SC, Khan MA. Reports From the NIH DDDN. The General Medicine A-2 Study Section, 99:1522
Kalthoff H. See Schmiegel W
Kam NTP. See Field FJ
Kamm MA. See Milner P
Kane SV. See Lashner BA
Kaneko S, Miller RH, Di Bisceglie AM, Feinstone SM, Hoofnagle JH, Purcell RH. Detection of Hepatitis B Virus DNA in Serum by Polymerase Chain Reaction. Application for Clinical Diagnosis, 99:799
Kanel G. See Akriviadis EA
Kang JY. Acid and Duodenal Ulcer Pain, 99:603-c
Kanse SM. See Takahashi K
Kao Y-CJ. See Lichtenberger LM
Kapadia CR, Cutruzzola FW, O'Brien KM, Stetz ML, Enriquez R, Deckelbaum LI. Laser-Induced Fluorescence Spectroscopy of Human Colonic Mucosa. Detection of Adenomatous Transformation, 99:150
Karlén P. See Löfberg R
Kasumi A. A Japanese View of American Early Gastric Cancer Detection, 99:1189-c
Katayama K. See Nagakawa J
Katz K. See Ma T
Katz KD. See Krugliak P
Keith FB. See Shiffman ML
Kelly PJ
See Heseltine L
See Mitchison HC
Kemmler G. See Weger A-R
Kern MK. See Dantas RO
Kerremans R. See Rutgeerts P
Kerzel W. See Ell C
Kett K, Scott H, Fausa O, Brandtzaeg P. Secretory Immunity in Celiac Disease: Cellular Expression of Immunoglobulin A Subclass and Joining Chain, 99:386
Khan MA. See Kalser SC
Khandelwal S. See Sontag SJ
Khettry U. *The Pathology of Organ Transplantation*, 99:1853-br
Kien CL, Liechty EA, Mullett MD. Contribution of Low-Molecular-Weight Compounds to the Fecal Excretion of Carbohydrate Energy in Premature Infants, 99:165
Kilander A, Lager K, Antov S, Asztely M. Breath Hydrogen Testing in Patients With Partial Gastric Resection, 99:604-c
Kim YS. See Itzkowitz SH
Kini M. See Venu RP
Kirch W, Halabi A, Hinrichsen H. Hemodynamic Status During Famotidine Infusion. Reply, 99:1540-c

Kirkham JS. See Spychal R
Kitani K. See Miyasaka K
Kleibeuker JH. See Van Der Meer R
Klein S
Elemental Versus Polymeric Feeding in Patients With Crohn's Disease—Is There Really a Winner? 99:893-ss
Glutamine: An Essential Nonessential Amino Acid for the Gut, 99:279-ss
The Myth of Serum Albumin As a Measure of Nutritional Status, 99:1845-ss
Klinkenberg-Knol EC. See Jansen JBMJ
Knipschild P. See Thijs C
Knobler E. See Poh-Fitzpatrick MB
Knodell RG
See Johnson LN
See Meirowitz RF
Knutson L. See Lavö B
Knyrim K, Vakil N. The Effects of Synthetic Human Secretin on Calcium Carbonate Solubility in Human Bile, 99:1445
Koch KL. See Liberski SM
Koff RS. And Now, The Molecular Cloning of the Hepatitis E Virus, 99:560-ss
Kogire M. See Hashimoto T
Koldovsky O. *Adaptation and Development of Gastrointestinal Function*, 99:1187-br
Kondo Y. See Iwanaga Y
Konturek PK, Brzozowski T, Konturek SJ, Dembinski A. Role of Epidermal Growth Factor, Prostaglandin, and Sulfhydryls in Stress-Induced Gastric Lesions, 99:1607
Konturek SJ. See Konturek PK
Kooij PPM. See Van Berkum FNR
Körber H. See Miholic J
Koretz RL. Branched-Chain Amino Acids in Hepatic Encephalopathy, 99:287-c
Korman LY. See Termanini B
Korsten MA, Wilson JS, Lieber CS. Interactive Effects of Dietary Protein and Ethanol on Rat Pancreas. Protein Synthesis and Enzyme Secretion, 99:229
Kosaka K. See Taketa K
Koss MA. See Bukhave K
Kosugi I. See Muro H
Kotzerke J. See Miholic J
Krawczynski K. See Bradley DW
Kreamer B. See Courley GR
Kremer B. See Schmiegel W
Krepel Z. See Bruck R
Krugliak P
Hollander D, Schlaepfer CC, Katz KD, Dadufalza VD, Ma TY. Polyethylene Glycol 400 Permeation of the Colonic Epithelial Barrier of the Rat, 99:1001
See Ma T
Kuipers F
See Van Der Meer R
See Verkade HJ
Kulander BG. See Burmer GC
Kuo G. See Bradley DW
Kuroda A. See Semba D

Kurtz RC
See Levine JG
See Robinson AE
Kwok YN. See Campos RV
Kyvik KR, Brattebo G. The Potential Hazards of Eating Fish, 99:602-c
Labadie H, Stoessel P, Callard P, Beaugrand M. Hepatic Venocclusive Disease and Perisinusoidal Fibrosis Secondary to Arsenic Poisoning, 99: 1140-cr
Lack EE. See Maton PN
Lager K. See Kilander A
Lai ECS. Acute Cholangitis—Endoscopic Drainage or Emergency Surgery? Reply, 99:1531-ss
Laine L. Multipolar Electrocoagulation Versus Injection Therapy in the Treatment of Bleeding Peptic Ulcers. A Prospective, Randomized Trial, 99:1303
Lam H-C. See Takahashi K
Lambert KJ. See Xia Y
Lamers CBHW
See Jansen JBMJ
See Van Erpecum KJ
Lamping K. See Mendenhall CL
Lamy P. See Cosnes J
Lance MP
CEA as a Cell Adhesion Molecule, 99: 277-ss
Sialylation and Metastatic Colon Cancer, 99:564-ss
Lang IM. See Dantas RO
Lanspa SJ
See Boivin M
See Lynch HT
Larrey D
Babany G, Bernuau J, Andrieux J, Degott C, Pessayre D, Benhamou J-P. Fulminant Hepatitis After Lisinopril Administration, 99:1832
See Zafrani ES
Lashner BA, Kane SV, Hanauer SB. Lack of Association Between Oral Contraceptive Use and Ulcerative Colitis, 99:1032
Lasker JM. See Shimizu M
Lassoued K, Brenard R, Degos F, Courvalin J-C, Andre C, Danon F, Brouet J-C, Zine-el-Abidine Y, Degott C, Zafrani S, Dhumeaux D, Benhamou. Antinuclear Antibodies Directed to a 200-Kilodalton Polypeptide of the Nuclear Envelope in Primary Biliary Cirrhosis. A Clinical and Immunological Study of a Series of 150 Patients With Primary Biliary Cirrhosis, 99:181
Laurent J, Gauthier F, Bernard O, Hadchouel M, Odievre M, Valayer J, Alagille D. Long-Term Outcome After Surgery for Biliary Atresia. Study of 40 Patients Surviving for More Than 10 Years, 99:1793
Lavö B, Knutson L, Lööf L, Hällgren R. Gliadin Challenge-Induced Jejunal Prostaglandin E_2 Secretion in Celiac Disease, 99:703
Layden TJ, Agnone LM, Schmidt LN, Hakim B, Goldstein JL. Rabbit Esophageal Cells Possess an Na^+,H^+ Antiport, 99:909
Le Bail B, Bioulac-Sage P, Arnoux R, Perissat J, Saric J, Balabaud C. Late Recurrence of a Hepatocellular Carcinoma in a Patient With Incomplete Alagille Syndrome, 99:1514
Lee A
Fox JG, Otto G, Murphy J. A Small Animal Model of Human *Helicobacter pylori* Active Chronic Gastritis, 99:1315
See Fox JG
Lee E. See Mills CT
Lee SK. See Inman L
Lee SS, MacCannell KL. Domperidone in Chronic Intestinal Pseudoobstruction. Reply, 99:1194-c
Lee WM. See Rhodes DF
Lennard-Jones JE
See Alstead EM
See Milner P
Lenz HJ, Forquignon I. Stimulation of Duodenal Bicarbonate Secretion in Conscious Rats by Cerebral Somatostatin-28. Role of Neurohumoral Pathways, 99:340
Le Quintrec M. See Cosnes J
Le Quintrec Y. See Cosnes J
Lerner E. See Groszmann RJ
LeSage GD, Robertson WE, Baumgart MA. Demonstration of Vesicular-Dependent Bile Flow in the Sucrose-Loaded Rat, 99:478
Levine DS. See Burmer GC
Levine JG, Kurtz RC. The Clogged Biliary Endoprosthesis: Help on the Way, 99: 281-ss
Levy J. See Poh-Fitzpatrick MB
Li YF, Bowers RL, Haley-Russell D, Moody FG, Weisbrodt NW. Actin and Myosin Isoforms in Gallbladder Smooth Muscle Following Cholesterol Feeding in Prairie Dogs, 99:1460
Li Z-L, McIntosh JH, Byth K, Stuckey B, Stiel D, Piper DW. Phenylthiocarbamide Taste Sensitivity in Chronic Peptic Ulcer, 99:66
Libassi S. See Gaiani S
Liberski SM, Koch KL, Atnip RG, Stern RM. Ischemic Gastroparesis: Resolution After Revascularization, 99:252-cr
Lichtenberger LM, Romero JJ, Kao Y-CH, Dial EJ. Gastric Protective Activity of Mixtures of Saturated Polar and Neutral Lipids in Rats, 99:311
Lichtenstein LM. See Fox CC
Liddle RA
See Brazer SR
See Ohta H
Lieber CS
See Korsten MA
See Mak K
See Shimizu M
Liechty EA. See Kien CL
Lind T, Cederberg C, Olausson M, Olbe L. 24-Hour Intragastric Acidity and Plasma Gastrin After Omeprazole Treatment and After Proximal Gastric Vagotomy in Duodenal Ulcer Patients, 99:1593
Littman A. *The Development of American Gastroenterology*, 99:1852-br
Liu MH. See Slott PA
Llach J. See Planas R
Lloyd C. See Oberle RL
Lluis F. See Hashimoto T
Löfberg R, Broström O, Karlén P, Tribukait B, Ost A. Colonoscopic Surveillance in Long-Standing Total Ulcerative Colitis—A 15-Year Follow-up Study, 99: 1021
London JF
See Frucht H
See Vinayek R
Lööf L. See Lavö B
Lucey MR. See Mitchison HC
Lückers AEG. See Jansen JBMJ
Lüthen R. See Niederau C
Lynch HT, Smyrk TC, Lanspa SJ. Familial Pancreatic Cancer: Insight into Etiology or an Interesting Quirk of Nature? Reply, 99:891-ss

Ma A. See Hayakawa T
Ma T
Hollander D, Katz K, Krugliak P. Crohn's Disease and NSAID Enteropathy—A Unifying Model. Reply, 99:1191-c
See Krugliak P
MacCannell KL. See Lee SS
Maddrey WC. See Stampfl DA
Magazzu G. See Auricchio S
Magun A. Acute Cholangitis—Endoscopic Drainage or Emergency Surgery? 99: 1530-ss
Maiuri L. See Auricchio S
Mak K, Lieber CS. *Cells of the Hepatic Sinusoid. Volume 2*, 99:898-br
Malet PF. Acalculous Cholecystitis: A New Perspective, 99:1529-ss
Malik M. See Heiselman DE
Mamelak M. See Boyd AJ
Mancini E. See Auricchio S
Mandel JS. See Church TR
Mangan TF, Colley AT, Wytock DH. Antibiotic-Associated Acute Necrotizing Esophagitis, 99:900-c
Manion D. See Eidus LB
Manzillo G. See Frezza M
Marchesini G, Pacini G, Bianchi GP, Patrono D, Cobelli C. Glucose Disposal, β-Cell Secretion, and Hepatic Insulin Extraction in Cirrhosis: A Minimal Model Assessment, 99:1715
Marcus SN. See Schmassmann A
Marignani P. See Goldenberg SP
Marin JJG, Serrano MA, El-Mir MY, Eleno N, Boyd CAR. Bile Acid Transport by Basal Plasma Membrane Vesicles of Human Term-Placental Trophoblast, 99:1431

Markin RS. See Rhodes DF
Markowitz J, Rosa J, Grancher K, Aiges H, Daum F. Long-Term 6-Mercaptopurine Treatment in Adolescents With Crohn's Disease, 99:1347
Marrero JM. See Spychal R
Marsh MN. See Sandle GI
Marshall BJ, Barrett LJ, Prakash C, McCallum RW, Guerrant RL. Urea Protects *Helicobacter (Campylobacter) pylori* From the Bactericidal Effect of Acid, 99:697
Marteau P. See Beaugerie L
Martin BJ. Gut Transit With Exercise, 99:290-c
Martin K. See Mendenhall CL
Martin LR. See Rypins EB
Martinez-Vazquez JM. See Gomez-Jimenez J
Massari R. See Zafrani ES
Mathur SN. See Field FJ
Mathus-Vliegen EMH, Tytgat GNJ, Veldhuyzen-Offermans EAML. Intragastric Balloon in the Treatment of Supermorbid Obesity. Double-Blind, Sham-Controlled, Crossover Evaluation of 500-Milliliter Balloon, 99:362
Maton PN
  Jensen RT. Reflux Esophagitis in Zollinger-Ellison Syndrome. Reply, 99:1858-c
  Lack EE, Collen MJ, Cornelius MJ, David E, Gardner JD, Jensen RT. The Effect of Zollinger-Ellison Syndrome and Omeprazole Therapy on Gastric Oxyntic Endocrine Cells, 99:943
  See Chiang H-CV
  See Frucht H
  See Vinayek R
Mattsson H. See Ryberg B
Matura E. See Vergunst H
Maurel P. See Diaz D
Mayer EA, Raybould HE. Role of Visceral Afferent Mechanisms in Functional Bowel Disorders, 99:1688
Mayumi M. See Akahane Y
Mazzella G. See Festi D
McCallum RW. See Marshall BJ
McCaustland KA. See Bradley DW
McCormick PA. See Burroughs AK
McCullough AJ. The Pathophysiologic Role of Nocturnal Acid Secretion in Gastric Ulcers. Reply, 99:901-c
McDonald GB. Acute Necrotizing Esophagitis. Reply, 99:1193-c
McElree CK. See Randolph LM
McFarlane IG, Johnson PJ, Williams R. Implications of Anti-Hepatitis C Reactivity in 'Autoimmune' Chronic Active Hepatitis. Reply, 99:1532-ss
McGill DB, Rakela J, Zinsmeister AR, Ott BJ. A 21-Year Experience With Major Hemorrhage After Percutaneous Liver Biopsy, 99:1396
McIntosh JH. See Li Z-L
McIntyre N. See Burroughs AK
McKnight GW. See Wallace JL
Meier R, Hildebrand P, Thumshirn M, Albrecht C, Studer B, Gyr K, Beglinger C. Effect of Loxiglumide, a Cholecystokinin Antagonist, on Pancreatic Polypeptide Release in Humans, 99:1757
Meirowitz RF, Tobin KD, Elias EG, Iseri O, Pais SO, Knodell RG. Resolution of Inferior Vena Cava Syndrome After Embolization of a Hepatic Adenoma, 99:1502
Mela GS. See Savarino V
Meloche RM
  See Buchan AMJ
  See Campos RV
Melton LJ III. See Talley NJ
Mendenhall CL, Grossman CJ, Roselle GA, Ghosn S, Gartside PS, Rouster SD, Chalasani PVRK, Schmitt G, Martin K, Lamping K. Host Response to Mycobacterial Infection in the Alcoholic Rat, 99:1723
Menozzi M. See D'Amico G
Menu Y. See Valgrain V
Metreau J-M. See Zafrani ES
Meuwissen SGM
  See Jansen JBMJ
  See Zwiers A
Meyer H-J. See Miholic J
Meyer J. See Oberle RL
Michel H. See Diaz D
Michielsen PP. See Pelckmans PA
Middleton WRJ. See Pym B
Mierau GW. See Sokol RJ
Miholic J, Reilmann L, Meyer H-J, Körber H, Kotzerke J, Hecker H. Extracellular Space, Blood Volume, and the Early Dumping Syndrome After Total Gastrectomy, 99:923
Mikuz G. See Weger A-R
Miller LS. See Vinayek R
Miller RH. See Kaneko S
Miller SA. See Wright RA
Miller T. See Sontag SJ
Miller TA
  Laparoscopic Cholecystectomy: Passing Fancy or Legitimate Treatment Option? 99:1527-ss
  Misoprostol: Another Agent to Prevent Bleeding From Stress Gastritis? 99:566-ss
Milleron B. See Cadranel J-F
Mills CT, Lee E, Perrillo R. Relationship Between Histology, Aminotransferase Levels, and Viral Replication in Chronic Hepatitis B, 99:519
Milner P, Crowe R, Kamm MA, Lennard-Jones JE, Burnstock G. Vasoactive Intestinal Polypeptide Levels in Sigmoid Colon in Idiopathic Constipation and Diverticular Disease, 99:666
Miner PB Jr. See Biddle WL
Minetti M. See Auricchio S
Misra SP, Dwivedi M, Misra V, Gupta R, Agarwal SK. Diagnostic Paracentesis, 99:902-c
Misra V. See Misra SP
Mitchison HC, Lucey MR, Kelly PJ, Neuberger JM, Williams R, James OFW. Symptom Development and Prognosis in Primary Biliary Cirrhosis: A Study in Two Centers, 99:778
Mitra AK, Rabbani GH. A Double-Blind, Controlled Trial of Bioflorin (*Streptococcus faecium* Sf68) in Adults With Acute Diarrhea Due to *Vibrio cholerae* and Enterotoxigenic *Escherichia coli*, 99:1149
Mittal RK, Fisher MJ. Electrical and Mechanical Inhibition of the Crural Diaphragm During Transient Relaxation of the Lower Esophageal Sphincter, 99:1265
Miyakawa Y. See Akahane Y
Miyamoto K. See Nagakawa J
Miyasaka K, Funakoshi A, Kitani K, Tamamura H, Funakoshi S, Fujii N. Inhibitory Effect of Pancreastatin on Pancreatic Exocrine Secretions. Pancreastatin Inhibits Central Vagal Nerve Stimulation, 99:1751
Miyashita N. See Iwanaga Y
Mizumoto A. See Iwanaga Y
Mochida S, Ogata I, Hirata K, Ohta Y, Yamada S, Fujiwara K. Provocation of Massive Hepatic Necrosis by Endotoxin After Partial Hepatectomy in Rats, 99:771
Mogadam M. Serum Apolipoprotein A-IV Levels and Dietary Fat, 99:286-c
Molina J. See Bartolomé J
Montalbano L. See D'Amico G
Moody FG
  See Calabuig R
  See Li YF
Moore EW. See Shiffman ML
Moore WC. See Fox CC
Moraleda G. See Bartolomé J
Moreau J, Bouisson M, Balas D, Ravaud A, Stupnik S, Buscail L, Vaysse N, Ribet A. Gastric Lipase in Alcoholic Pancreatitis. Comparison of Secretive Profiles Following Pentagastrin Stimulation in Normal Adults and Patients With Pancreatic Insufficiency, 99:175
Morikawa K. See Iwanaga Y
Morioka Y. See Semba D
Moritz MJ. See Stampfl DA
Mougenot J-F. See Cuenod B
Mowat AP. See Sokal EM
Mulder NH. See Van Der Meer R
Mullett MD. See Kien CL
Mullick F. See Nehra A
Muñoz SJ. See Stampfl DA
Muro H, Shirasawa H, Kosugi I, Ito I. Defect of Sinusoidal Fc Receptors and Immune Complex Uptake in CCl_4-Induced Liver Cirrhosis in Rats, 99:200
Murphy J. See Lee A
Murphy JC. See Fox JG
Murray M. See Farrell GC
Musch MW, Nahkla AM, Chang EB. Phorbol Ester-Stimulated Secretion in

Chicken Ileum: Role of Arachidonic Acid Metabolism, 99:393

Nadorp JHSM. See Breumelhof R
Nagakawa J, Hishinuma I, Hirota K, Miyamoto K, Yamanaka T, Tsukidate K, Katayama K, Yamatsu I. Involvement of Tumor Necrosis Factor-α in the Pathogenesis of Activated Macrophage-Mediated Hepatitis in Mice, 99:758
Nahkla AM. See Musch MW
Nahum H. See Valgrain V
Namiki M. See Taketa K
Naoumov NV, Portmann BC, Tedder RS, Ferns B, Eddleston ALWF, Alexander GJM, Williams R. Detection of Hepatitis B Virus Antigens in Liver Tissue. A Relation to Viral Replication and Histology in Chronic Hepatitis B Infection, 99:1248
Nardi RV. See Termanini B
Narendranathan M. See Baird DD
Navasa M. See Groszmann RJ
Naylor CD
  O'Rourke K, Detsky AS, Baker JP. Branched-Chain Amino Acids in Hepatic Encephalopathy. Reply, 99:287-c
  See O'Rourke K
Nehra A, Mullick F, Ishak KG, Zimmerman HJ. Pemoline-Associated Hepatic Injury, 99:1517
Nelis GF, Vermeeren MAP, Jansen W. Role of Fructose-Sorbital Malabsorption in the Irritable Bowel Syndrome, 99:1017
Nemchausky B. See Sontag SJ
Neuberger JM. See Mitchison HC
Nicar MJ. See Strygler B
Nicolai JJ. See Tytgat GNJ
Niederau C, Niederau M, Lüthen R, Strohmeyer G, Ferrell LD, Grendell JH. Pancreatic Exocrine Secretion in Acute Experimental Pancreatitis, 99:1120
Niederau M. See Niederau C
Nielsen K. Enteral Nutrition and Malnourished Cirrhotic Patients, 99:1192-c
Northfield TC. See Spychal R
Norton JA
  See Frucht H
  See Vinayek R
Noventa F. See Bortolotti F
Nygaard K. See Oktedalen L

Oberle RL, Chen T-S, Lloyd C, Barnett JL, Owyang C, Meyer J, Amidon GL. The Influence of the Interdigestive Migrating Myoelectric Complex on the Gastric Emptying of Liquids, 99:1275
O'Brien KM. See Kapadia CR
Ockner RK. Presentation of the Julius Friedenwald Medal to Rudi Schmid, M.D., Ph.D., 99:1554
O'Connell S. See Sontag SJ
Odievre M. See Laurent J
O'Dorisio TM. See Chiang H-CV
Offner GD. See Afdahl NH
Ogata I. See Mochida S
O'Hanley P. See Crane MR
Ohta H, Guan D, Tawil T, Liddle RA, Green GM. Regulation of Plasma Cholecystokinin Levels by Bile and Bile Acids in the Rat, 99:819
Ohta Y
  See Mochida S
  See Taketa K
Okamoto H. See Akahane Y
Oktedalen O, Nygaard K, Osnes M. Somatostatin in the Treatment of Pancreatic Ascites, 99:1520
Olausson M. See Lind T
Olbe L. See Lind T
Olmstead LC. See Griffin PM
Omi S. See Akahane Y
O'Rourke K
  Detsky A, Baker JP, Naylor CD. Branched-Chain Amino Acids in Hepatic Encephalopathy. Reply, 99:605-c
  See Naylor CD
Orsini M. See Festi D
Osnes M. See Oktedalen L
Ost A. See Löfberg R
O'Toole KM. See Green PHR
Ott BJ. See McGill DB
Otto G
  See Fox JG
  See Lee A
Ouyang A. *Gastrointestinal Motility Disorders: Diagnosis and Treatment*, 99:898-br
Owyang C. See Oberle RL

Pacini G. See Marchesini G
Pagliaro L. See D'Amico G
Pahissa A. See Gomez-Jimenez J
Pais SO. See Meirowitz RF
Palmer M, Schaffner F. Effect of Weight Reduction on Hepatic Abnormalities in Overweight Patients, 99:1408
Pals G. See Zwiers A
Panés J. See Planas R
Parikh I. See Termanini B
Parini P. See Festi D
Pascal J-P. See Cales P
Pascaud X. See Junien J-L
Patrick M. See Groszmann RJ
Patrono D. See Marchesini G
Pattavino J. See Brotschi EA
Pattinson NR, Willis KE. Phospholipase C and Diacylglycerol Lipase in Human Gallbladder and Hepatic Bile, 99:1798
Pavy MD. See Rhodes DF
Payne M. See Venu RP
Pederson RA. See Campos RV
Peeters TL. See Depoortere I
Pelckmans PA, Michielsen PP, Jorens PG, Van Maercke YM. Cisapride in Ogilvie's Syndrome, 99:1194-c
Pelletier G. See Cadranel J-F
Pellier P. See Beaugerie L
Pena AS. See Walvoort HC
Percy WH, Burton MB, Fallick F, Burakoff R. A Comparison In Vitro of Human and Rabbit Distal Colonic Muscle Responses to Inflammatory Mediators, 99:1324
Perdue MH. See Crowe SE
Perissat J. See LeBail B
Perrillo R. See Mills CT
Peschel E, Peschel R. *Nowhere To Go: The Tragic Odessey of the Homeless Mentally Ill*, 99:284-br
Peschel R. See Peschel E
Pessayre D. See Larrey D
Peters TJ
  See Banerjee AK
  See Sandle GI
Petersen GM, Rotter JI, Roth M-P. Crohn's Disease in Ashkenazi Jews. Reply, 99:287-c
Peterson WL. *Helicobacter pylori* Gastritis: A 'Normal' Phenomenon, 99:278-ss
Petras RE. See Griffin PM
Phillips SF
  See Greydanus MP
  See Talley NJ
Pilato FP. See D'Adda T
Pinto PC. See Akriviadis EA
Piper D
  See Ellard K
  See Li Z-L
  See Pym B
Pisa R. See D'Amico G
Pitchumoni CS. See Vahil A
Planas R, Ginès P, Arroyo V, Llach J, Panés J, Vargas V, Salmerón JM, Ginès A, Toledo C, Rimola A, Jiménez W, Asbert M, Gassull MA, Rodés J. Dextran-70 Versus Albumin As Plasma Expanders in Cirrhotic Patients With Tense Ascites Treated With Total Paracentesis. Results of a Randomized Study, 99:1736
Poh-Fitzpatrick MB, Zaider E, Sciales C, Sokol RJ, Tobin CE, Knobler E, Sadick NS, Silverberg M, Levy J. Cutaneous Photosensitivity and Coproporphyrin Abnormalities in the Alagille Syndrome, 99:831
Pols HAP. See Van Berkum FNR
Polson R. See Gimson A
Porres JC. See Bartolomé J
Porta R. See Auricchio S
Porter JL. See Strygler B
Portmann B
  See Sokal EM
  See Naoumov NV
Potter GD. See Barros GJ
Poulter LW. See Allison MC
Pounder RE. See Allison MC
Pouyssegur J, Sardet C, Wakabayashi S. Mitogens Control Na^+/H^+ Antiporter Activity by Phosphorylation. Reply, 99:566-ss
Powell EE. Not All Fatty Livers Are Benign. Reply, 99:283-ss
Prakash C. See Marshall BJ
Prescott RJ. See Shorrock CJ
Primerano AMM. See Festi D
Prior A. See Sun WM

Purcell RH. See Kaneko S
Pym B, Sandstad J, Seville P, Byth K, Middleton WRJ, Talley NJ, Piper DW. Cost-Effectiveness of Cimetidine Maintenance Therapy in Chronic Gastric and Duodenal Ulcer, 99:27

Quaroni A. See Daniele B

Rabbani GH. See Mitra AK
Rabinovitch PS. See Burmer GC
Rabinovitz M, Schade RR, Dindzans VJ, Belle SH, Van Thiel DH, Gavaler JS. Colonic Disease in Cirrhosis. An Endoscopic Evaluation in 412 Patients, 99:195
Rachmilewitz D. See Zlotogora J
Raffensperger EC. *Clinical Implications of Abnormal Digestive Tract Radiographs*, 99:569-br
Raia V. See Auricchio S
Rainguet S. See Rector WG Jr.
Rakela J. See McGill DB
Ralevic V, Hoyle CHV, Burnstock G. Effects of Long-Term Laxative Treatment on Rat Mesenteric Resistance Vessel Responses In Vitro, 99:1352
Rambaud J-C. See Beaugerie L
Rambaud JC. See Flourie B
Rampton DS, Gertner DJ. Eicosanoids in Amebiasis, 99:1857-c
Randolph LM, Toyoda H, McElree CK, Shanahan F, Targus SR, Rotter JI. Ulcerative Colitis and T-Cell Receptor α-Chain Polymorphisms. Reply, 99:289-c
Rask-Madsen J. See Bukhave K
Rasuli P. See Eidus LB
Ravaud A. See Moreau J
Raybould HE. See Mayer EA
Read NW. See Sun WM
Realdi G. See Bortolotti F
Rector WG Jr, Adair O, Hossack KF, Rainguet S. Atrial Volume in Cirrhosis: Relationship to Blood Volume and Plasma Concentration of Atrial Natriuretic Factor, 99:766
Reddick EJ. Laparoscopic Cholecystectomy: Passing Fancy or Legitimate Treatment Option? Reply, 99:1528-ss
Redfern JS. See Cryer B
Redlich CA, West AB, Fleming L, True LD, Cullen MR, Riely CA. Clinical and Pathological Characteristics of Hepatotoxicity Associated With Occupational Exposure to Dimethylformamide, 99:748
Rees WDW. See Chorrock CJ
Reeve JR Jr. See Turkelson CM
Reichlin S. See Abucham J
Reilmann L. See Miholic J
Reman FC. See Tytgat GNJ
Renooij W. See Schmitz MGJ
Resnick RH. Somatostatin for Variceal Bleeders, 99:1524-e
Reveille RM, Van Stiegmann G, Everson GT. Increased Secondary Bile Acids in a Choledochal Cyst. Possible Role in Biliary Metaplasia and Carcinoma, 99:525-cr
Reynes M. See Zafrani ES
Reynolds T. See Akriviadis EA
Rhodes DF, Lee WM, Wingard JR, Pavy MD, Santos GW, Shaw BW, Wood RP, Sorrell MF, Markin RS. Orthotopic Liver Transplantation for Graft-Versus-Host Disease Following Bone Marrow Transplantation, 99:536
Rhodes JM, Jewell DP. Lactulose Hydrogen Breath Test in the Diagnosis of Bacterial Overgrowth, 99:1547-c
Ribera E. See Gomez-Jimenez J
Ribet A. See Moreau J
Richter JE
  Erythromycin—The Prokinetic Drug of the Future. Have We Heard This Story Line Before? 99:559-ss
  Esophageal Tests for All Seasons And All Reasons But...How Do They Help the Patient??? 99:1846-ss
Ricour C. See Cuenod B
Riely CA
  Vera SR. Liver Biopsy in the Long-Term Follow-up of Liver Transplant Patients: Still the Gold Standard, 99:1182-ss
  See Redlich CA
Rimola A. See Planas R
Ritchie JK. See Alstead EM
Rivier C. See Saperas ES
Roberts IM. See Seidner DL
Robertson WE. See LeSage GD
Robinson AE, Kurtz RC. Familial Pancreatic Cancer: Insight into Etiology or an Interesting Quirk of Nature? 99:891-ss
Robutti F. See D'Adda T
Roche A. See Cadranel J-F
Roda E
  See Festi D
  See Senior JR
Rodés J
  See Groszmann RJ
  See Planas R
Roeder C. See Schmiegel W
Rofe S. See Groszmann RJ
Romeo DP, Weesner RE, Giannella RA. Misdiagnosis of the Zollinger-Ellison Syndrome Due to Hyperlipidemia, 99:1511
Romero JJ. See Lichtenberger LM
Ronchi M. See Festi D
Rosa J. See Markowitz J
Rose R. See Fox JG
Roselle GA. See Mendenhall CL
Rossi L. See Festi D
Rossi SS. See Schmassmann A
Roth KA. See Carroll SL
Roth M-P. See Petersen GM
Roth SH. Treatment of NSAID-Induced Gastroduodenal Ulcers. Reply, 99:1534-ss
Rotter JI
  See Petersen GM
  See Randolph LM
Roucayrol AM, Cattan D. Evolution of Fundic Argyrophil Cell Hyperplasia in Nonantral Atrophic Gastritis, 99:1307
Rouster SD. See Mendenhall CL
Rubin CE. See Burmer GC
Rubin R. See Stampfl DA
Rugge M. See Bortolotti F
Runyon BA. Differentiation of Spontaneous From Secondary Bacterial Peritonitis in Cirrhotics. Reply, 99:1548-c
Russell RM. See Faisal MA
Rutgeerts P, Geboes K, Vantrappen G, Beyls J, Kerremans R, Hiele M. Predictability of the Postoperative Course of Crohn's Disease, 99:956
Ryberg B, Tielemans Y, Axelson J, Carlsson E, Håkanson H, Mattsson H, Sundler F, Willems G. Gastrin Stimulates the Self-Replication Rate of Enterochromaffinlike Cells in the Rat Stomach. Effects of Omeprazole, Ranitidine, and Gastrin-17 in Intact and Antrectomized Rats, 99:935
Rypins EB, Martin LR, Zinner MJ. Misoprostol: Another Agent to Prevent Bleeding From Stress Gastritis. Reply, 99:566-ss

Sadick NS. See Poh-Fitzpatrick MB
Saibil FG. See Boyd AJ
Saint Aubert B. See Diaz D
Sakamoto N. See Hayashi H
Salmerón JM. See Planas R
Samloff IM. See Faisal MA
Sandle GI, Higgs N, Crowe P, Marsh MN, Venkatesan S, Peters TJ. Cellular Basis for Defective Electrolyte Transport in Inflamed Human Colon, 99:97
Sandler RS
  Epidemiology of Irritable Bowel Syndrome in the United States, 99:409
  See Baird DD
Sandstad J. See Pym B
Sangermano A. See Festi D
Santangelo WC. See Strygler B
Santos GW. See Rhodes DF
Saperas ES, Yang H, Rivier C, Taché Y. Central Action of Recombinant Interleukin-1 to Inhibit Acid Secretion in Rats, 99:1599
Sapora O. See Auricchio S
Sardet C. See Pouyssegur J
Saric J. See LeBail B
Sarles H, Dagorn JC, Giogi D, Bernard JP. Renaming Pancreatic Stone Protein As 'Lithostathine,' 99:900-c
Saunders DR. See Francis BH
Savalgi RS. See Spychal R
Savarino V
  Mela GS, Celle G. The Pathophysiologic Role of Nocturnal Acid Secretion in Gastric Ulcers, 99:901-c
  Mela GS, Zentilin P, Celle G. Is Gastric Acid Hypersecretion the Only Reason for Refractory Gastroesophageal Reflux Disease? 99:1542-c

Mela GS, Zentilin P, Celle G. Ulcer Healing: Dose Omeprazole Efficacy Depend on Daytime or 24-Hour Acid Inhibition? 99:1858-c
Saverymuttu SH. See Spychal R
Schade RR. See Rabinovitz M
Schaffner F. See Palmer M
Schalm SW. See Van Berkum FNR
Schiffrin EJ. See Israel EJ
Schlaepfer CC. See Krugliak P
Schmalz MJ. See Venu RP
Schmassmann A, Angellotti MA, Clerici C, Hofmann AF, Ton-Nu H-T, Schteingart CD, Marcus SN, Hagey LR, Rossi SS, Aigner A. Transport, Metabolism, and Effect of Chronic Feeding of Lagodeoxycholic Acid. A New, Natural Bile Acid, 99:1092
Schmidt LN. See Layden TJ
Schmiegel W, Burchert M, Kalthoff H, Roeder C, Butzow G, Grimm H, Kremer B, Soehendra N, Schreiber H-W, Thiele H-G, Greten H. Immunochemical Characterization and Quantitative Distribution of Pancreatic Stone Protein in Sera and Pancreatic Secretions in Pancreatic Disorders, 99:1421
Schmitt G. See Mendenhall CL
Schmitz MGJ, Renooij W. Phospholipids From Rat, Human, and Canine Gastric Mucosa. Composition and Metabolism of Molecular Classes of Phosphatidylcholine, 99:1292
Schneider HT. See Ell C
Schnell T. See Sontag SJ
Schreiber H-W. See Schmiegel W
Schröder FH. See Vergunst H
Schteingart CD
See Schmassmann A
See Xia Y
Schubert ML.
Feedback Regulation of Pancreatic Secretion, 99:890-ss
Treatment of NSAID-Induced Gastroduodenal Ulcers, 99:1533-ss
Schulz-Delrieu K. Exciting News on Gastric Neurons, 99:562-ss
Schwab G. See Weger A-R
Sciales C. See Poh-Fitzpatrick MB
Scott AJ. See Hunt DR
Scott H. See Kett K
Seidner DL, Roberts IM, Smith MS. Esophageal Obstruction After Ingestion of a Fiber-Containing Diet Pill, 99:1820-cr
Sekiya C. See Taketa K
Sellin JH
DeSoignie R. Short-Chain Fatty Acid Absorption in Rabbit Colon In Vitro, 99:676
See Barros GJ
See DeSoignie R
Semba D, Wada Y, Ishihara Y, Kaji T, Kuroda A, Morioka Y. Massive Pancreatic Pleural Effusion: Pathogenesis of Pancreatic Duct Disruption, 99:528-cr
Senior JR, Johnson MF, DeTurck DM, Bazzoli F, Roda R. In Vivo Kinetics of Radiolucent Gallstone Dissolution by Oral Dihydroxy Bile Acids, 99:243
Serlovsky R. See Sontag SJ
Serrano MA. See Marin JJG
Sessions JT Jr. *Pathophysiology of Gastrointestinal Diseases*, 99:1187-br
Sestini P. See Crowe SE
Seville P. See Pym B
Shah IA. See Inman L
Shanahan F. See Randolph LM
Sharkey MF, Kadden ML, Stabile BE. Severe Posthemicolectomy Diarrhea: Evaluation and Treatment With SMS 201-995, 99:1144-cr
Shaw BW. See Rhodes DF
Shaw G. See Eaker EY
Sherlock S. *Hepatology for the Clinician: A Problem-Oriented Approach*, 99:1536-br
Sherman IA. See Boyd AJ
Shibata H. See Ghishan FK
Shiffman ML
Keith FB, Moore EW. Pathogenesis of Ceftriaxone-Associated Biliary Sludge. In Vitro Studies of Calcium-Ceftriaxone Binding and Solubility, 99:1772
Sugerman HJ, Moore EW. Human Gallbladder Mucosal Function. Effect of Concentration and Acidification of Bile on Cholesterol and Calcium Solubility, 99:1452
Shikes RH. See Sokol RJ
Shimizu M, Lasker JM, Tsutsumi M, Lieber CS. Immunohistochemical Localization of Ethanol-Inducible P450IIE1 in the Rat Alimentary Tract, 99:1044
Shirasawa H. See Muro H
Shorrock CJ, Prescott RJ, Rees WDW. The Effects of Indomethacin on Gastroduodenal Morphology and Mucosal pH Gradient in the Healthy Human Stomach, 99:334
Silano V. See Auricchio S
Silverberg M. See Poh-Fitzpatrick MB
Simpson KW. See Batt RM
Singh M. Can Alcohol Cause True Acute Pancreatitis. Reply, 99:1544-c
Singh P. See Guo Y-S
Sitzmann JV, Converse RL Jr, Bayless TM. Favorable Response to Parenteral Nutrition and Medical Therapy in Crohn's Colitis. A Report of 38 Patients Comparing Severe Crohn's and Ulcerative Colitis, 99:1647
Slaker DP. See Bonkovsky HL
Slonim D. See Green PHR
Slott PA, Liu MH, Tavoloni N. Origin, Pattern, and Mechanism of Bile Duct Proliferation Following Biliary Obstruction in the Rat, 99:466
Smith BF. See Afdahl NH
Smith MS. See Seidner DL
Smout AJPM. See Breumelhof R
Smyrk TC. See Lynch HT
Snel P. See Jansen JBMJ
Sninsky CA. See Eaker EY
Soehendra N. See Schmiegel W
Sogni P. Treatment of Intestinal Cryptosporidiosis in AIDS, 99:602-c
Sokal EM, Trivedi P, Portmann B, Mowat AP. Adaptative Changes of Metabolic Zonation During the Development of Cirrhosis in Growing Rats, 99:785
Sokol RJ
Devereaux M, Mierau GW, Hambidge KM, Shikes RH. Oxidant Injury to Hepatic Mitochondrial Lipids in Rats With Dietary Copper Overload. Modification by Vitamin E Deficiency, 99:1061
See Poh-Fitzpatrick MB
Solomon TE. See Turkelson CM
Sonnenberg A. See Johanson JF
Sontag SJ, O'Connell S, Khandelwal S, Miller T, Nemchausky B, Schnell T, Serlovsky R. Most Asthmatics Have Gastroesophageal Reflux With or Without Bronchodilator Therapy, 99:613
Sorge M. See Corazza CR
Sorrell MF. See Rhodes DF
Spano C. See D'Amico G
Spokes RA. See Takahashi K
Sprengers D. See Burroughs AK
Spychal RT, Savalgi RS, Marrero JM, Saverymuttu SH, Kirkham JS, Northfield TC. Thermodynamic Effects of Bile Acids in the Stomach, 99:305
Stabile BE. See Sharkey MF
Stachura J. See Erickson RA
Stampfl DA, Muñoz SJ, Moritz MJ, Rubin R, Armenti VT, Jarrell BE, Maddrey WC. Hetertopic Liver Transplantation for Fulminant Wilson's Disease, 99:1834
Stark HA. See Vinayek R
Steer CJ. See Diehl AM
Steindel H. See Akriviadis EA
Stern RM. See Liberski SM
Stetz ML. See Kapadia CR
Stiel D. See Li Z-L
Stoessel P. See Labadie H
Stolk MFJ. See Van Erpecum KJ
Strocchi A. See Corazza CR
Strohmeyer G. See Niederau C
Strygler B, Nicar MJ, Santangelo WC, Porter JL, Fordtran JS. α_1-Antitrypsin Excretion in Stools in Normal Subjects and in Patients With Gastrointestinal Disorders, 99:1380
Stuckey B. See Li Z-L
Studer B. See Meier R
Stupnik S. See Moreau J
Sugai Y. See Akahane Y
Sugerman HJ. See Shiffman ML
Sun WM
Read NW, Donnelly TC. Anorectal Function in Incontinent Patients With Cerebrospinal Disease, 99:1372
Read NW, Prior A, Daly J-A, Cheah SK, Grundy D. Sensory and Motor Responses to Rectal Distention Vary Ac-

cording to Rate and Pattern of Balloon Inflation, 99:1008
Sun X-M. See Caplan MS
Sundler F
See Axelson J
See Ryberg B
Surrenti C. See Frezza M
Suzuki H. See Akahane Y
Sweeting J
The Effect of Protein on Renal Function in Cirrhosis, 99:895-ss
What Is Functional Disease and How Do You Measure It? 99:1848-ss

Tabuchi Y. See Takeguchi M
Taché Y
See Saperas ES
See Yang H
Takahashi K, Jones PM, Kanse SM, Lam H-C, Spokes RA, Ghatel MA, Bloom SR. Endothelin in the Gastrointestinal Tract. Presence of Endothelinlike Immunoreactivity, Endothelin-1 Messenger RNA, Endothelin Receptors, and Pharmacological Effect, 99:1660
Takeguchi M, Asano S, Tabuchi Y, Takeguchi N. The Presence of H^+,K^+-ATPase in the Crypt of Rabbit Distal Colon Demonstrated With Monoclonal Antibodies Against Gastric H^+,K^+-ATPase, 99:1339
Takeguchi N. See Takeguchi M
Taketa K, Sekiya C, Namiki M, Akamatsu K, Ohta Y, Endo Y, Kosaka K. Lectin-Reactive Profiles of Alpha-Fetoprotein Characterizing Hepatocellular Carcinoma and Related Conditions, 99:508
Talley NJ
Phillips SF, Bruce B, Twomey CK, Zinsmeister AR, Melton LJ III. Relation Among Personality and Symptoms in Nonulcer Dyspepsia and the Irritable Bowel Syndrome, 99:327
See Pym B
Tam PKH. An Immunohistological Study of the Human Enteric Nervous System With Microtubule-Associated Proteins, 99:1841
Tamamura H. See Miyasaka K
Tankurt E. Reflux Esophagitis in Zollinger-Ellison Syndrome, 99:1858-c
Targan SR. See Randolph LM
Tarnawski A. See Erickson RA
Tatemoto K. See Hashimoto T
Tavoloni N. See Slott PA
Tawil T. See Ohta H
Taylor NS. See Fox JG
Taylor RG, Verity K, Fuller PJ. Ileal Glucagon Gene Expression: Ontogeny and Response to Massive Small Bowel Resection, 99:724
Tedder RS. See Naoumov NV
Ten Kate RW. See Zwiers A
Tennant C. See Ellard K
Termanini B, Nardi RV, Finan TM, Parikh I, Korman LY. Insulinlike Growth Factor I Receptors in Rabbit Gastrointestinal Tract. Characterization and Autoradiographic Localization, 99:51
Termont DSML. See Van Der Meer R
Terpstra OT. See Vergunst H
Thiele DL. Implications of Anti-Hepatitis C Reactivity in 'Autoimmune' Chronic Active Hepatitis, 99:1531-ss
Thiele H-G. See Schmiegel W
Thijs C, Knipschild P, Brombacher P. Serum Lipids and Gallstones: A Case-Control Study, 99:843
Thirlby RC
Preoperative Radiotherapy Is Better Than Postoperative Radiotherapy in Patients With Rectal Cancer, 99:895-ss
See Inman L
Thomforde GM. See Greydanus MP
Thompson JC
See Guo Y-S
See Hashimoto T
Thompson JF, Buikhuisen WA. Protein Tyrosine Kinase Activity and Its Substrates in Rat Intestinal Microvillus Membranes, 99:370
Thorgeirsson SS. See Diehl AM
Thumshirn M. See Meier R
Tielemans Y. See Ryberg B
Tobin CE. See Poh-Fitzpatrick MB
Tobin KD. See Meirowitz RF
Toledo C. See Planas R
Ton-Nu H-T. See Schmassmann A
Tougas G, Bovell KT, Collins SM, Dent J, Hunt RH. The Effect of Naloxone on Lipid-Induced Pyloric Motor Responses in Humans, 99:930
Toyoda H. See Randolph LM
Traina M. See D'Amico G
Tribukait B. See Löfberg R
Trivedi P. See Sokal EM
True LD. See Redlich CA
Tsuda F. See Akahane Y
Tsukidate K. See Nagakawa J
Tsutsumi M. See Shimizu M
Turgeon DK. Domperidone in Chronic Intestinal Pseudoobstruction, 99:1194-c
Turkelson CM, Reeve JR Jr, Solomon TE. Low Immunoreactivity of Canine Cholecystokinin-58, 99:646
Turner IB. See Heseltine L
Twomey CK. See Talley NJ
Tytgat GNJ
Nicolai JJ, Reman FC. Efficacy of Different Doses of Cimetidine in the Treatment of Reflux Esophagitis. A Review of Three Large, Double-Blind, Controlled Trials, 99:629
See Mathus-Vliegen EMH

Uges DRA. See Verkade HJ

Vahil A, Pitchumoni CS. Abnormal Drug Metabolism in Chronic Pancreatitis: Treatment With Antioxidants, 99:1855-c
Vaillant C. See Batt RM
Vakil N
See Barros GJ
See Knyrim K
Valayer J. See Laurent J
Valgrain V, Erlinger S, Belghiti J, Degott C, Menu Y, Nahum H. Cholangiographic Appearance Simulating Sclerosing Cholangitis in Metastatic Adenocarcinoma of the Liver, 99:850
Van Berge Henegouwen GP. See Van Erpecum KJ
Van Berkum FNR, Beukers R, Birkenhäger JC, Kooij PPM, Schalm SW, Pols HAP. Bone Mass in Women With Primary Biliary Cirrhosis: The Relation With Histological Stage and Use of Glucocorticoids, 99:1134
Van Der Meer R, Welberg JWM, Kuipers F, Kleibeuker JH, Mulder NH, Termont DSML, Vonk RJ, De Vries HT, De Vries EG. Effects of Supplemental Dietary Calcium on the Intestinal Association of Calcium, Phosphate, and Bile Acids, 99:1653
Van Erpecum KJ, Van Berge Henegouwen GP, Stolk MFJ, Hopman WPM, Jansen JBMJ, Lamers CBHW. Effects of Ursodeoxycholic Acid on Gallbladder Contraction and Cholecystokinin Release in Gallstone Patients and Normal Subjects, 99:836
Van Maercke YM. See Pelckmans PA
Van Steenbergen W, Fevery J. Effects of Uridine Diphosphate Glucuronosyltransferase Activity on the Maximal Secretion Rate of Bilirubin Conjugates in the Rat, 99:488
van Steensel CJ. Effect of Dietary Fiber on Symptoms and Rectosigmoid Motility in Patients With Irritable Bowel Syndrome, 99:1538-c
Van Stiegmann G. See Reveille RM
Van Thiel DH. See Rabinovitz M
Vantrappen G
Erythromycin—The Prokinetic Drug of the Future. Have We Heard This Story Line Before? Reply, 99:559-ss
See Depoortere I
See Rutgeerts P
Vargas V. See Planas R
Vaysse N. See Moreau J
Veldhuyzen-Offermans EAML. See Mathus-Vliegen EMH
Veloso T. Complement Deposits in Inflammatory Bowel Disease, 99:1541-c
Venkatesan S. See Sandle GI
Venu RP, Geenen JE, Kini M, Hogan WJ, Payne M, Johnson GK, Schmalz MJ. Endoscopic Retrograde Brush Cytology. A New Technique, 99:1475
Vera SR. See Riely CA
Vergunst H, Terpstra OT, Schröder FH, Matura E. In Vivo Assessment of Shock-Wave Pressures. Implication for Biliary Lithotripsy, 99:1467
Verity K. See Taylor RG

Verkade HJ, Wolbers MJ, Havinga R, Uges DRA, Vonk RJ, Kuipers F. The Uncoupling of Biliary Lipid From Bile Acid Secretion by Organic Anions in the Rat, 99:1485
Vermeeren MAP. See Nelis GF
Vinayek R
Frucht H, London JF, Miller LS, Stark HA, Norton JA, Cederberg C, Jensen R, Gardner JD, Maton PN. Intravenous Omeprazole in Patients With Zollinger-Ellison Syndrome Undergoing Surgery, 99:10
See Frucht H
Vonk RJ
See Van Der Meer R
See Verkade HJ

Wada Y. See Semba D
Wain SL. See Goldenberg SP
Wakabayashi S. See Pouyssegur J
Waldman SA. See Crane MR
Walker A. See Whynes DK
Walker WA. See Israel EJ
Wallace JL, McKnight GW. The Mucoid Cap Over Superficial Gastric Damage in the Rat. A High pH Microenvironment Dissipated by Nonsteroidal Antiinflammatory Drugs and Endothelin, 99:295
Walsh JH. See Yang H
Walvoort HC, Pena AS. Reactivity of Aggregated Immunoglobulin in Crohn's Disease. Reply, 99:904-c
Wang H-R. See Cohen MM
Wang HH. See Werth TE
Weems WA. See Calabuig R
Weesner RE. See Romeo DP
Weger A-R, Falkmer UG, Schwab G, Glaser K, Kemmler G, Bodner E, Auer GU, Mikuz G. Nuclear DNA Distribution Pattern of the Parenchymal Cells in Adenocarcinomas of the Pancreas and in Chronic Pancreatitis. A Study of Archival Specimens Using Both Image and Flow Cytometry, 99:237
Weinberg RB. Serum Apolipoprotein A-IV Levels and Dietary Fat. Reply, 99:286-c
Weisbrodt NW. See Li YF
Weiss W. Asbestos and Colorectal Cancer, 99:876
Welberg JWM. See Van Der Meer R
Werth TE, Wang HH, Chopra S. A 20-Year-Old Woman With Abnormal Liver Function Test Results in the Third Trimester of Pregnancy, 99:552
West AB. See Redlich CA
Westaby D. See Gimson A
White LJ. See Heiselman DE
Whitehead RH
Colon Cancer Cells, 99:569-br
See Foster HM
Whynes DK, Hardcastle JD, Walker A. Hemoccult Test and Colorectal Cancer, 99:608-c
Wilcox CM, Forsmark CE, Grendell JH, Darragh TM, Cello JP. Cytomegalovirus-Associated Acute Pancreatic Disease in Patients With Acquired Immunodeficiency Syndrome. Report of Two Patients, 99:263-cr
Willems G. See Ryberg B
Williams LF Jr. See Brotschi EA
Williams R
See Gimson A
See McFarlane IG
See Mitchison HC
See Naoumov NV
Willis KE. See Pattinson NR
Wilson JS. See Korsten MA
Wingard JR. See Rhodes DF
Wirtz P. See Ell C
Wolbers MJ. See Verkade HJ
Wolf DC. See Bonkovsky HL
Wong H. See Yang H
Wood RP. See Rhodes DF
Woodburn JR. See Freeman TC
Wright RA, Miller SA, Corsello BF. Acid-Induced Esophagobronchial-Cardiac Reflexes in Humans, 99:71
Wu V. See Yang H
Wytock DH. See Mangan TF

Xia Y, Lambert KJ, Schteingart CD, Gu J-J, Hofmann AF. Concentrative Biliary Secretion of Ceftriaxone. Inhibition of Lipid Secretion and Precipitation of Calcium Ceftriaxone in Bile, 99:454
Xiol X. See Cabre E

Yamada S. See Mochida S
Yamanaka T
See Akahane Y
See Nagakawa J
Yamatsu I. See Nagakawa J
Yang H, Wong H, Wu V, Halsh JH, Taché Y. Somatostatin Monoclonal Antibody Immunoneutralization Increases Gastrin and Gastric Acid Secretion in Urethane-Anesthetized Rats, 99:659
Yang H. See Saperas ES
Yardley JH. See Fox CC
Yeaman SJ. See Heseltine L
Yeung R. See Cohen MM
Yonei Y, Holzer P, Guth PH. Laparotomy-Induced Gastric Protection Against Ethanol Injury Is Mediated by Capsaicin-Sensitive Sensory Neurons, 99:3
Yoshida T, Bonkovsky H, Ansari A, Danner D. Antibodies Against Mitochondrial Dehydrogenase Complexes in Primary Biliary Cirrhosis, 99:187
Yotsumoto S. See Akahane Y
Young WF Jr. Human Liver Tyrosylsulfotransferase, 99:1072

Zafrani ES, Metreau J-M, Douvin C, Larrey D, Massari R, Reynes M, Doffoel M, Benhamou J-P, Dhumeaux D. Idiopathic Biliary Ductopenia in Adults: A Report of Five Cases, 99:1823-cr
Zafrani S. See Lassoued K
Zaider E. See Poh-Fitzpatrick MB
Zakko SF, Hofmann AF. Microprocessor-Assisted Solvent-Transfer System for Gallstone Dissolution. In Vitro and In Vivo Validation, 99:1807
Zentilin P. See Savarino V
Zimmerman BJ, Guillory DJ, Grisham MB, Gaginella TS, Granger DN. Role of Leukotriene B_4 in Granulocyte Infiltration Into the Postischemic Feline Intestine, 99:1358
Zimmerman HJ. See Nehra A
Zimmerman J
Folic Acid Transport in Organ-Cultured Mucosa of Human Intestine. Evidence for Distinct Carriers, 99:964
See Zlotogora J
Zine-el-Abidine Y. See Lassoued K
Zinner MJ. See Rypins EB
Zinsmeister AR
See Boivin M
See Cameron AJ
See McGill DB
See Talley NJ
Zironi G. See Gaiani S
Zlotogora J, Zimmerman H, Rachmilewitz D. Crohn's Disease in Ashkenazi Jews, 99:286-c
Zwiers A, Crusius B, Pals G, Donker AJM, Meuwissen SGM, Ten Kate RW. Human Pepsinogen A Isozymogen Patterns in Serum and Gastric Mucosa, 99:1576

Absorption
of fructose-sorbitol, in irritable bowel syndrome, 99:1016
intestinal, of three sugar alcohols, 99:717
of lagodeoxycholic acid (hamster, rabbit, rat), 99:1092
of short-chain fatty acid, in colon (rabbit), 99:676
See also Malabsorption.
Acetylcholine, distal colonic muscle responses (human, rabbit), 99:1324
***N*-Acetylglucosamine**, oligomer protection of intestinal mucosa in celiac disease, 99:973
Achlorhydria, and fundic argyrophil cell hyperplasia in nonantral atrophic gastritis, 99:1307
Acid
bactericidal effect, urea protection of *Helicobacter pylori*, 99:697
and duodenal ulcer pain, 99:603-c
suppression, and healing of duodenal ulcers, 99:345
Acid secretion, gastric
central action of recombinant interleukin-1 (rat), 99:1599
and healing of duodenal ulcers, 99:345
nocturnal, in gastric ulcers, 99:901-c
pancreastatin effects (dog), 99:61
and refractory gastroesophageal reflux disease, 99:1542-c
and somatostatin monoclonal antibody (rat), 99:659
Acid-base regulation, of ion transport in ileum (rabbit), 99:132
Acknowledgment of reviewers, 99:1862
Acquired immunodeficiency syndrome (AIDS)
cytomegalovirus-associated pancreatic disease, 99:263-cr
intestinal cryptosporidiosis, 99:602-c
Actin isoforms, in gallbladder smooth muscle (prairie dog), 99:1460
Adaptation, *Adaptation and Development of Gastrointestinal Function*, 99:1187-br
Adenocarcinoma
metastatic, of liver, cholangiography of, 99:850
of pancreas, nuclear DNA distribution pattern in parenchymal cells, 99:237
Adenoma, hepatic, and inferior vena cava syndrome, 99:1502-cr
***S*-Adenosylmethionine, for intrahepatic** cholestasis, 99:211
Adolescents, 6-mercaptopurine for Crohn's disease, 99:1347
Alagille syndrome
cutaneous photosensitivity and coproporphyrin abnormalities, 99:831
incomplete, and hepatocellular carcinoma, 99:1514
Albumin
vs. dextran-70 as plasma expander, in cirrhosis with ascites treated with paracentesis, 99:1736
and nutritional status, 99:1845-ss
Alcohol
and acute pancreatitis, 99:1544-c
antral damage, enprostil effects, 99:45
and host response to mycobacterial infection (rat), 99:1723
liver disease, colchicine effect on short-term survival, 99:811
sugar, intestinal digestion and absorption, 99:717
Allergy
and gastric function, 99:1184-ss
ion transport responses to luminal antigen and inflammatory mediators, in jejunum (rat), 99:74
Amebiasis, eicosanoids in, 99:1857-c
American Gastroenterological Association
Presentation of Julius Friedenwald Medal to Rudi Schmid, M.D., Ph.D., 99:1554
training programs, 99:571
A Year of Challenge and Change. The Presidential Address, 99:1551
American Motility Society, abstracts of October 1990 meeting, 99:1202
Amines, protection of celiac small intestine from injury by gliadin peptides (rat), 99:1668
Amino acids
branched-chain, in hepatic encephalopathy, 99:287-c, 604-c
essential, glutamine, 99:279-ss
sequences, glycosylated domain of protein core of gallbladder mucin (cow), 99:1493
Aminotransferase
fulminant hepatitis after lisinopril administration, 99:1832
and viral replication, in chronic hepatitis B, 99:519
Ampicillin, and lipid and bile acid secretion (rat), 99:1485
Anions
organic, uncoupling of biliary lipid and bile acid secretion (rat), 99:1485
secretion, phorbol ester effects in ileum, role of arachidonic acid metabolism (chicken), 99:393
Anorectum
fecal incontinence in cerebrospinal disease, 99:1372
pressures, sensory and motor responses to balloon inflation, 99:1008
Surgery of Anorectal Diseases: With Pre- and Postoperative Management, 99:1852-br
Antibiotics, and necrotizing esophagitis, 99:900-c
Antibodies
antinuclear, to 200-kilodalton polypeptide of nuclear envelope, in primary biliary cirrhosis, 99:181
against e antigen, in chronic active hepatitis, 99:1113
against hepatitis C, response patterns in non-A, non-B hepatitis (chimpanzee), 99:1054
to mitochondrial dehydrogenase complexes, in primary biliary cirrhosis, 99:187
monoclonal
against gastric H^+,K^+-ATPase (rabbit), 99:1339
somatostatin, and gastrin and gastric acid secretion (rat), 99:659
polyclonal, neurofilament immunoreactivity in myenteric neurons (rat), 99:1364
Antigens
blood group, in colon cancer, 99:431
hepatitis B virus, in liver tissue, 99:1248
surface, on colonic lymphoid cells in mucosa, comparison of follicular and lamina propria lymphocytes, 99:421
X, markers in hepadnavirus infections, 99:500
Antioxidants, in chronic pancreatitis, 99:1855-c
Antiporter, Na^+,H^+
esophageal cells (rabbit), 99:909
mitogen control of by phosphorylation, 99:565-ss
α_1-Antitrypsin, excretion in stool in gastrointestinal disorders, 99:1380
Apolipoprotein A-IV, and dietary fat, 99:286-c
Arachidonic acid
and electrolyte transport in colitis, 99:97
and phorbol ester-stimulated secreiton in ileum (chicken), 99:393
Arsenic poisoning, hepatic venoocclusive disease and perisinusoidal fibrosis, 99:1140-cr
Asbestos, and colorectal cancer, 99:876
Ascites, pancreatic, somatostatin treatment, 99:1520
Ashkenazi Jews, Crohn's disease in, 99:286-c
Aspirin and salsalate, mucosal injury and gastroduodenal mucosal prostaglandins, 99:1616
Asthma, gastroesophageal reflux and bronchodilator therapy, 99:613

KEY TO ABBREVIATIONS
ar–audiovisual review
br–book review
c–correspondence
cc–clinical conference
cr–case report
ctt–clinical trends and topics
e–editorial
hs–historical series
pa–progress article
ra–review article
ss–selected summary

H^+,K^+-ATPase, in crypt of distal colon (rabbit), 99:1339
Atrial natriuretic factor
and atrial volume in cirrhosis, 99:766
and cyclic GMP, ion transport in colon (rat), 99:1153
receptor, intestinal, and guanylate cyclase (rat), 99:125
Attention-deficit disorder, pemoline-associated hepatic injury, 99:1517
Autoantibodies to mitochondrial enzymes, in primary biliary cirrhosis, 99:1786
Autoradiography
bile duct proliferation after biliary obstruction (rat), 99:466
insulinlike growth factor I receptors in gastrointestinal tract (rabbit), 99:51
Azathioprine, in pregnancy in inflammatory bowel disease, 99:443

Balloon
inflation of rectum, sensory and motor responses, 99:1008
intragastric, in super-morbid obesity, 99:362
Bethanechol, and pancreastatin inhibition of pancreatic exocrine secretion (rat), 99:1751
Bicarbonate secretion
delayed measurement in vitro, 99:1854-c
duodenal
central regulation of, 99:278-ss
stimulation by cerebral somatostatin-28 (rat), 99:340
in ulcers, 99:951
Bile
calcium carbonate solubility, effects of synthetic human secretin, 99:1445
CCK regulation by (rat), 99:819
ceftriaxone precipitation (rat), 99:454
and cholesterol and calcium solubility, 99:1452
hepatic, phospholipase C and diacylglycerol lipase, 99:1798
vesicular-dependent flow, in sucrose loading (rat), 99:478
Bile acids
CCK regulation by (rat), 99:819
dihydroxy, kinetics of radiolucent gallstone dissolution, 99:243
and intestinal calcium and phosphate, effects of dietary calcium, 99:1653
lagodeoxycholic acid effects (hamster, rabbit, rat), 99:1092
and lipid secretion, uncoupling by organic anions (rat), 99:1485
secondary, and choledochal cyst, 99:525-cr
thermodynamic effects in stomach, 99:305
transport by plasma membrane vesicles of placental trophoblast, 99:1431
Bile duct
cholestasis, red cell aplasia, and Stevens-Johnson syndrome, ampicillin role, 99:854
emptying, fat effects, 99:1480
endoscopic laser lithotripsy of large stones, 99:1128
proliferation, after biliary obstruction (rat), 99:466
Bile salts and ceftriaxone binding, biliary sludge formation, 99:1772
Biliary atresia, long-term outcome after surgery, 99:1793
Biliary tract
ceftriaxone-associated sludge formation, 99:1772
cirrhosis, bone mineral mass, 99:1134
endoprosthesis. 99:281-ss
endoscopic retrograde brush cytology, 99:1475
idiopathic ductopenia in adults, 99:1823-cr
lipid and bile acid secretion, uncoupling by organic anions (rat), 99:1485
obstruction, and bile duct proliferation (rat), 99:466
primary cirrhosis
antinuclear antibodies to 200-kD polypeptide of nuclear envelope, 99:181
antibodies to mitochondrial dehydrogenase complexes, 99:187
autoantibodies to mitochondrial enzymes, 99:1786
in mouse, 99:1181-ss
symptom development and prognosis, 99:778
shock-wave pressures, 99:1467
Bilirubin conjugates, uridine diphosphate glucuronosyltransferase effects (rat), 99:488
Bioflorin (*Streptococcus faecium* SF68), for cholera and *E. coli* diarrhea, 99:1149
Biomechanics, of cricopharyngeal bars, 99:1269
Biopsy, liver
in iron-storage diseases, 99:1079
in liver transplantation, 99:1182-ss
in pregnancy, 99:552
percutaneous, hemorrhage after, 99:1396
Birth, preterm, and inflammatory bowel disease, 99:987
Bismuth therapy, in gastrointestinal diseases, 99:863
Bleeding
congestive gastropathy in cirrhosis, 99:1558
variceal, somatostatin effects, 99:1388, 1524-e
See also Hemorrhage.
Blood
antigens, and colon cancer, 99:431
mononuclear cells, hepatitis B virus DNA during virus replication, 99:1745
volume
in cirrhosis, and atrial natriuretic factor, 99:766
and early dumping syndrome after total gastrectomy, 99:923
Bombesin
and G-cell function, 99:36
and somatostatin release, gastrin role (rat), 99:1297
Bone mineral mass, in primary biliary cirrhosis, 99:1134
Bone marrow transplantation, and orthotopic liver transplantation for graft-versus-host disease, 99:536
Book Reviews
Adaptation and Development of Gastrointestinal Function, 99:1187
Adenomatous Polyps of the Colon: Pathobiological and Clinical Features, 99:899
Cells of the Hepatic Sinusoid. Volume 2, 99:898
Clinical Implications of Abnormal Digestive Tract Radiographs, 99:569
Colon Cancer Cells, 99:569
Colorectal Cancer: From Pathogenesis to Prevention, 99:1536
The Development of American Gastroenterology, 99:1852
Gastrointestinal Motility Disorders: Diagnosis and Treatment, 99:898
Gastrointestinal Pathology, 99:284
Hepatitis A, 99:1188
Hepatology for the Clinician: A Problem-Oriented Approach, 99:1536
Manual of Clinical Problems in Gastroenterology, 99:569
Manual of Gastroenterology—Diagnosis and Therapy, 99:285
Motilin, 99:1537
Nowhere to Go: The Tragic Odyssey of the Homeless Mentally Ill, 99:284
The Pathology of Organ Transplantation, 99:1853
Pathophysiology of Gastrointestinal Diseases, 99:1187
Surgery of Anorectal Diseases: With Pre- and Postoperative Management, 99:1852
Breath hydrogen, in partial gastric resection, 99:603-c
Bronchodilator therapy, and gastroesophageal reflux in asthma, 99:613
Bronchus, and esophageal reflexes, acid-induced, 99:71

C-Ki-*ras* mutations, in ulcerative colitis and colon carcinoma, 99:416
Calban 3000, fiber-containing diet pill, esophageal obstruction, 99:1820-cr
Calcium
and ceftriaxone binding, biliary sludge formation, 99:1772
dietary, and intestinal calcium, phosphate, and bile acids, 99:1653
homeostasis, molecular basis of enzyme secretion, 99:1157
solubility, and bile acidification, 99:1452
Calcium carbonate solubility in bile, effects of synthetic human secretin, 99:1445
Caliber-persistent artery of stomach, Dieulafoy's vascular malformation, 99:1507-cr

Cancer
colon
blood group antigens, 99:431
Colon Cancer Cells, 99:569-br
and sialylation, 99:564-ss
surveillance after, 99:1849-ss
colorectal
and asbestos, 99:876
Colorectal Cancer: From Pathogenesis to Prevention, 99:1536-br
Hemoccult test, 99:607-c
familial pancreatic, 99:891-ss
gastric
geopathology of, 99:1540-c
Japanese view of American early gastric cancer detection, 99:1189-c
pancreaticobiliary, endoscopic retrograde brush cytology, 99:1475
rectal, radiotherapy, 99:895-ss
Capsaicin, and laparotomy-induced gastric protection against ethanol injury (rat), 99:3
Carbohydrate low-molecular-weight compounds, fecal excretion in premature infants, 99:165
Carcinoembryonic antigen (CEA), as cell adhesion molecule, 99:277-ss
Carcinoma
biliary, and secondary bile acids in choledochal cyst, 99:525-cr
colon, C-Ki-*ras* mutations, 99:416
hepatocellular
Doppler signals, 99:1860-c
with incomplete Alagille syndrome, 99:1514
lectin-reactivity of alpha-fetoprotein, 99:508
pancreatic, growth effects of pancreatic secretory
trypsin inhibitor (rat), 99:1414
Case Reports
Adaptive hyperphagia in patients with postsurgical malabsorption, 99:1814
Arteriovenous shunting and cholestasis in hepatic hemangiomatosis associated with metoclopramide, 99:258
Caliber-persistent artery of the stomach (Dieulafoy's vascular malformation), 99:1507
Cytomegalovirus-associated acute pancreatic disease in patients with acquired immunodeficiency syndrome, 99:263
Esophageal obstruction after ingestion of a fiber-containing diet pill, 99:1820
Hepatic venoocclusive disease and perisinusoidal fibrosis secondary to arsenic poisoning, 99:1140
Idiopathic biliary ductopenia in adults: a report of five cases, 99:1823
Increased secondary bile acids in a choledochal cyst. Possible role in biliary metaplasia and carcinoma, 99:525
Ischemic gastroparesis: resolution after revascularization, 99:252
Massive pancreatic pleural effusion: pathogenesis of pancreatic duct disruption, 99:528
Nodular regenerative hyperplasia of the liver, peliosis hepatis, and perisinusoidal fibrosis. Association with angioimmunoblastic lymphadenopathy and severe hypoxemia, 99:268
Omeprazole in the management of intractable esophageal ulceration following injection sclerotherapy, 99:1829
Resolution of inferior vena cava syndrome after embolization of a hepatic adenoma, 99:1502
Severe posthemicolectomy diarrhea: evaluation and treatment with SMS 201-995, 99:1144
Ceftriaxone
biliary secretion of (rat), 99:454
and calcium binding, biliary sludge formation, 99:1772
Celiac disease
gliadin-induced jejunal prostaglandin E_2 secretion, 99:703
mannan and *N*-acetylglucosamine protection of intestinal mucosa from gliadin toxicity, 99:973
secretory immunity, IgA subclass and joining chain, 99:386
small intestinal injury by gliadin peptides, protection by amines (rat), 99:1668
Cell adhesion by CEA, 99:277-ss
Cell culture
antral D cells, somatostatin immunoreactivity, 99:690
antral G cells, gastrin secretion, 99:36
Caco-2 cells, diamine oxidase secretion, heparin effects, 99:1675
hepatocytes, omeprazole induction of hepatic cytochrome P450, 99:737
intestinal smooth muscle, transforming growth factor β_1 effect on collagen synthesis, 99:447
pancreatic carcinoma, growth effects of pancreatic secretory trypsin inhibitor (rat), 99:1414
Cell proliferation, and molecular basis of enzyme secretion, 99:1157
Cerebrospinal disease, anorectal function in incontinence, 99:1372
Children
cutaneous photosensitivity and coproporphyrin abnormalities in Alagille syndrome, 99:831
hepatitis B virus infection, long-term outcome, 99:805
microtubule-associated proteins of enteric nervous system, 99:1841
survival after surgery for biliary atresia, 99:1793
Cholangiography, cholestasis in metastatic adenocarcinoma of liver, 99:850
Cholangitis
asymptomatic primary sclerosing, ursodeoxycholic acid treatment, 99:533
endoscopic drainage or emergency surgery, 99:1530-ss
Cholecystectomy, laparoscopic, 99:1527-ss
Cholecystitis, acalculous, 99:1529-ss
Cholecystokinin (CCK)
in acute pancreatitis (mouse, rat), 99:1120
antagonist loxiglumide, and postprandial pancreatic polypeptide release, 99:1757
bile and bile acid regulation of (rat), 99:819
CCK-58 immunoreactivity (dog), 99:646
cysteamine-induced release from duodenum (rat), 99:1633
in gallstone patients, ursodeoxycholic acid effects, 99:836
and lower esophageal sphincter pressure, 99:641
peptide, feedback regulation of pancreatic secretion, 99:890-ss
Choledochal cyst, and secondary bile acids, 99:525-cr
Choledochoduodenal flow, sphincter of Oddi role (cat, opossum), 99:1641
Cholera
diarrhea, Bioflorin (*Streptococcus faecium* SF68) treatment, 99:1149
toxin, intestinal fluid secretion, serotonin receptor subtypes (rat), 99:83
Cholestasis
ampicillin-induced, red cell aplasia, and Stevens-Johnson syndrome, 99:854
in hepatic hemangiomatosis associated with metoclopramide, 99:258-cr
intrahepatic, S-adenosylmethionine treatment, 99:211
Cholesterol
and actin and myosin isoforms in gallbladder smooth muscle (prairie dog), 99:1460
metabolism, regulation of in intestine, 99:539
solubility, and bile concentration, 99:1451
Chyme, ileocolonic transfer, in dysmotilities, 99:158
Cigarette smoking, and phenylthiocarbamide taste sensitivity in peptic ulcer disease, 99:66
Cimetidine
dosage in reflux esophagitis, 99:629
maintenance therapy, in gastric and duodenal ulcer, cost-effectiveness of, 99:27
and omeprazole, lidocaine metabolism (rat), 99:857
Cirrhosis
with ascites, treated with paracentesis, dextran-70 vs. albumin as plasma expander, 99:1736
atrial volume, and atrial natriuretic factor, 99:766
biliary
antinuclear antibodies to 200-kD polypeptide of nuclear envelope, 99:181
antibodies to mitochondrial dehydrogenase complexes, 99:187

autoantibodies to mitochondrial enzymes, 99:1786
bone mineral mass, 99:1134
in mouse, 99:1181-ss
symptom development and prognosis, 99:778
colonic disease, 99:195
congestive gastropathy, 99:1558
enteral nutrition and malnourished cirrhotic patients, 99:1192-c
gastroesophageal endoscopy, 99:1189-c
glucose metabolism, β-cell secretion, and hepatic insulin extraction, 99:1715
liver, sinusoidal Fc receptors and immune complex uptake (rat), 99:200
metabolic zonation (rat), 99:785
protein effect on renal function, 99:895-ss
spontaneous and secondary bacterial peritonitis, 99:1538-c

Cisapride
in Ogilvie's syndrome, 99:1194-c
and pancreastatin inhibition of pancreatic exocrine secretion (rat), 99:1751

Classification of intractable diarrhea in infancy, 99:1037

Clinical Studies
acid suppression and healing of duodenal ulcers, 99:345
adenocarcinoma of pancreas and chronic pancreatitis, nuclear DNA distribution pattern of parenchymal cells, 99:237
anorectal function in incontinence with cerebrospinal disease, 99:1372
antibodies to mitochondrial dehydrogenase complexes, in primary biliary cirrhosis, 99:187
antinuclear antibodies to 200-kD polypeptide of nuclear envelope in primary biliary cirrhosis, 99:181
α_1-antitrypsin excretion in stool in gastrointestinal disorders, 99:1380
atrial volume in cirrhosis, role of blood volume and atrial natriuretic factor, 99:766
autoantibodies to mitochondrial enzymes in primary biliary cirrhosis, 99:1786
azathioprine safety during pregnancy in inflammatory bowel disease, 99:443
biomechanics of cricopharyngeal bars, 99:1269
blood group antigens in colon cancer, 99:431
bone mass in women with primary biliary cirrhosis, 99:1134
C-Ki-*ras* mutations in ulcerative colitis and colon carcinoma, 99:416
calcium carbonate solubility in bile, effects of synthetic human secretin, 99:1445
caseating hepatic granulomas in Hodgkin's lymphoma, 99:1837
CCK and regulation of lower esophageal sphincter pressure, 99:641
cholangiography of metastatic adenocarcinoma of liver, 99:850
cholestasis, bile duct paucity, red cell aplasia, and Stevens-Johnson syndrome, ampicillin role, 99:854
chronic active hepatitis with hepatitis B virus DNA and antibody against e antigen, 99:1113
cimetidine treatment of reflux esophagitis, 99:629
classification of intractable diarrhea in infancy, 99:1037
colchicine effect on survival in alcoholic hepatitis, 99:811
colonic disease in cirrhosis, 99:195
colonoscopic surveillance in ulcerative colitis, 99:1021
congestive gastropathy in cirrhosis, 99:1558
cost-effectiveness of cimetidine maintenance therapy in gastric and duodenal ulcer, 99:27
Crohn's disease, 6-mercaptopurine treatment in adolescents, 99:1347
cutaneous photosensitivity and coproporphyrin abnormalities in Alagille syndrome, 99:831
dextran-70 vs. albumin as plasma expanders in cirrhosis with ascites treated with paracentesis, 99:1736
diet effects on interdigestive and postprandial pancreatic enzyme secretion, 99:1763
dietary calcium effects on intestinal calcium, phosphate, and bile acids, 99:1653
duodenal gastrinomas, operative endoscopic transillumination 99:1622
electrical and mechanical inhibition of crural diaphragm during relaxation of lower esophageal sphincter, 99:1265
electrocoagulation vs. injection therapy for bleeding peptic ulcers, 99:1303
electrolyte transport in colitis, 99:97
endoscopic laser lithotripsy of large bile duct stones, 99:1128
endoscopic retrograde brush cytology, 99:1475
enprostil and alcohol-induced antral damage, 99:45
Escherichia coli 0157:H7-associated colitis, 99:142
esophageal pressure and pH, noncardiac chest pain, 99:1257
esophagobronchial reflexes, acid-induced, 99:71
fat, and bile duct emptying, 99:1480
fructose-sorbitol malabsorption in irritable bowel syndrome, 99:1016
fundic argyrophil cell hyperplasia in nonantral atrophic gastritis, 99:1307
gallbladder motility in cholesterol gallstone disease, effects of ursodeoxycholic acid, 99:1779
gallbladder mucosal function, cholesterol and calcium solubility, 99:1452
gallstones and serum lipids, 99:843
gastric acidity and plasma gastrin after omeprazole treatment and gastric vagotomy in duodenal ulcer patients, 99:1593
gastric lipase in alcoholic pancreatitis, 99:175
gastrin and pepsinogens in reflux esophagitis, effects of omeprazole treatment, 99:621
gastroesophageal reflux in asthma, and bronchodilator therapy, 99:613
glucose metabolism, β-cell secretion, and hepatic insulin extraction in cirrhosis, 99:1715
hemodynamics of propranolol effects on variceal hemorrhage, 99:1401
hemorrhage after percutaneous liver biopsy, 99:1396
hepatitis B virus antigens in liver tissue, 99:1248
hepatitis B virus DNA in liver and blood mononuclear cells during virus replication, 99:1745
hepatitis B virus infection in children, long-term outcome, 99:805
hepatocellular carcinoma and incomplete Alagille syndrome, 99:1514
hepatotoxicity and occupational exposure to dimethylformamide, 99:748
heterotopic liver transplantation for fulminant Wilson's disease, 99:1834
histology, aminotransferase, and viral replication in chronic hepatitis B, 99:519
ileocolonic transfer of chyme in small intestinal neuropathies and myopathies, 99:158
indomethacin effects on gastroduodenal morphology and mucosal pH gradient, 99:334
intestinal digestion and absorption of three sugar alcohols, 99:717
intestinal mast cell mediator release in ulcerative colitis, 99:119
intragastric balloon for super-morbid obesity, 99:362
intrahepatic cholestasis, *S*-adenosylmethionine treatment, 99:211
intravenous nutrition in inflammatory bowel disease, 99:730
kinetics of radiolucent gallstone dissolution by oral dihydroxy bile acids, 99:243
laboratory and hepatic imaging studies in iron-storage diseases, 99:1079
laser-induced fluorescence spectroscopy of colonic mucosa, adenomatous transformation, 99:150
lectin-reactivity of alpha-fetoprotein in hepatocellular carcinoma, 99:508
low-molecular-weight compounds and fecal excretion of carbohydrate energy in premature infants, 99:165
loxiglumide effects on pancreatic polypeptide release, 99:1757

mannan and *N*-acetylglucosamine protection of intestinal mucosa in celiac disease, 99:973
mesalamine enemas in ulcerative colitis, 99:113
microtubule-associated proteins of enteric nervous system, 99:1841
migrating myoelectric complex and gastric emptying of liquids, 99:1275
naloxone effect on lipid-induced pyloric motor response, 99:930
omeprazole effect on gastric oxyntic endocrine cells, in Zollinger-Ellison syndrome, 99:943
omeprazole during surgery in Zollinger-Ellison syndrome, 99:10
oral contraceptives and ulcerative colitis, 99:1032
orthotopic liver transplantation for graft-versus-host disease after bone marrow transplantation, 99:536
pancreatic stone protein immunochemistry and distribution, 99:1421
parenteral nutrition and medical therapy in Crohn's disease and ulcerative colitis, 99:1647
pemoline-associated hepatic injury, 99:1517
pepsinogen A isozymogen patterns in gastric mucosa, 99:1576
personality traits in nonulcer dyspepsia and irritable bowel syndrome, 99:327
phenylthiocarbamide taste sensitivity in peptic ulcer disease, 99:66
phospholipase C and diacylglycerol lipase in gallbladder and hepatic bile, 99:1798
piezoelectric lithotripsy for gallbladder stones, 99:1439
postoperative course in Crohn's disease, 99:956
predictors of hospitalization in Crohn's disease, 99:380
preterm birth risk, in inflammatory bowel disease, 99:987
prostaglandin E_2 release and bicarbonate secretion in duodenal ulcers, 99:951
salsalate and aspirin effects on mucosal injury and gastroduodenal prostaglandins, 99:1616
secretory immunity in celiac disease, 99:386
sensory and motor responses to rectal distention by balloon inflation, 99:1008
somatostatin treatment of pancreatic ascites, 99:1520
somatostatin for variceal bleeding, 99:1388
stress effects in duodenal ulcer disease, 99:1628
surface antigen on colonic lymphoid cells, comparison of follicular and lamina propria lymphocytes, 99:421
surgery for biliary atresia, long-term outcome, 99:1793
symptom development and prognosis in primary biliary cirrhosis, 99:778
thermodynamic effects of bile acids in stomach, 99:305
ursodeoxycholic acid effects on gallbladder contraction and CCK release in gallstone patients, 99:836
ursodeoxycholic acid treatment of asymptomatic primary sclerosing cholangitis, 99:533
weight reduction effects on liver abnormalities in overweight patients, 99:1408
X antigen/antibody markers in hepadnavirus infections, 99:500
zinc coproporphyrin as meconium marker in neonates, 99:1705
Zollinger-Ellison syndrome and pancreatic endocrine tumor syndrome, 99:1565
Zollinger-Ellison syndrome misdiagnosis due to hyperlipidemia, 99:1511
Zollinger-Ellison syndrome, ultrastructure of endocrine cells of oxyntic mucosa, 99:17

Cobalamin binding proteins, 99:1195-c

Colchicine, and short-term survival in alcoholic hepatitis, 99:811

Colitis
electrolyte transport, 99:97
hemorrhagic, *Escherichia coli* 0157:H7-associated, 99:142
necrotizing enterocolitis, prenatal cortisone effects (rat), 99:1333

Collagen synthesis in intestinal smooth muscle cells, role of transforming growth factor β_1, 99:447

Colon
adenocarcinoma, SMS 201-995 for postoperative diarrhea, 99:1144-cr
Adenomatous Polyps of the Colon: Pathobiological and Clinical Features, 99:899-br
cancer
blood group antigens, 99:431
Colon Cancer Cells, 99:569-br
Hemoccult test, 99:607-c
and sialylation, 99:564-ss
surveillance after, 99:1849-ss
carcinoma, C-Ki-*ras* mutations, 99:416
Colorectal Cancer: From Pathogenesis to Prevention, 99:1536-br
crypt, H^+,K^+-ATPase antibodies (rabbit), 99:1339
disease in cirrhosis, 99:195
distal muscle responses to inflammatory mediators (human, rabbit), 99:1324
epithelial barrier, polyethylene glycol 400 penetration of (rat), 99:1001
follicular and lamina propria lymphocytes, surface antigen, 99:421
ion transport, atrial natriuretic factor and cyclic GMP (rat), 99:1153
motor response to meal by σ ligands (dog), 99:684
mucosa, laser-induced fluorescence spectroscopy, adenomatous transformation, 99:150
obstruction, model of Hirschsprung's disease (mouse), 99:995
short-chain fatty acid absorption (rabbit), 99:676
sigmoid, VIP levels, in idiopathic constipation and diverticular disease, 99:666

Colonoscopy, surveillance in ulcerative colitis, 99:1021

Colorectum
cancer, asbestos role, 99:876
epidermal growth factor effects on colonocyte proliferation (rat), 99:1710

Complement, in inflammatory bowel disease, 99:1541-c

Computed tomography, in iron-storage diseases, 99:1079

Conjugation of bilirubin, uridine diphosphate glucuronosyltransferase effects (rat), 99:488

Constipation
and hemorrhoids, prevalence of, 99:1856-c
idiopathic, VIP levels in sigmoid colon, 99:666

Contraceptives, oral, and ulcerative colitis, 99:1032

Contraction
gallbladder
and intrinsic nerves (guinea pig), 99:826
ursodeoxycholic acid effects in gallstone patients, 99:836
motilin receptor development (rabbit), 99:652
villus, induction by prostaglandin E_2 (rat), 99:708

Copper
in asymptomatic primary sclerosing cholangitis, treatment with ursodeoxycholic acid, 99:533
hepatotoxicity, oxidant damage to hepatic mitochondrial lipids, and vitamin E deficiency (rat), 99:1061

Coproporphyrin and photosensitivity, in Alagille syndrome, 99:831

Corrections, 1199, 1247, 1547, 1861

Correspondence
Abnormal drug metabolism in chronic pancreatitis: treatment with antioxidant, 99:1855
Acid and duodenal ulcer pain, 99:603
Acute necrotizing esophagitis, 99:1193
Antibiotic-associated acute necrotizing esophagitis, 99:900
Branched-chain amino acids in hepatic encephalopathy, 99:287, 604
Breath hydrogen testing in patients with partial gastric resection, 99:603
Can alcohol cause true acute pancreatitis? 99:1544
Caution in the interpretation of Doppler signals of hepatocellular carcinoma, 99:1860

Cisapride in Ogilvie's syndrome, 99:1194
Complement deposits in inflammatory bowel disease, 99:1541
Concerning a published paper on cobalamin-binding proteins, 99:1195
Crohn s disease in Ashkenazi Jews, 99: 286
Crohn's disease and NSAID enteropathy, 99:1190
Delayed measurement of bicarbonate secretion in vitro, 99:1854
Diagnostic paracentesis, 99:902
Differentiation of spontaneous from secondary bacterial peritonitis in cirrhotics, 99:1538
Domperidone in chronic intestinal pseudoobstruction, 99:1194
Effect of dietary fiber on symptoms and rectosigmoid motility in patients with irritable bowel syndrome, 99: 1538
Eicosanoids in amebiasis, 99:1857
Enteral nutrition and malnourished cirrhotic patients, 99:1192
Gastroesophageal endoscopic features in cirrhosis: comparison of intracenter and intercenter observer variability, 99:1189
Geopathology of early gastric cancer, 99: 1540
Gut transit with exercise, 99:290
Helicobacter pylori infection and atrophic gastritis in the elderly, 99:1543
Hemoccult test and colorectal cancer, 99:607
Hemodynamics status during famotidine infusion, 99:1540
Is gastric acid hypersecretion the only reason for refractory gastroesophageal reflux disease? 99:1542
A Japanese view of American early gastric cancer detection, 99:1189
Lactulose hydrogen breath test in the diagnosis of bacterial overgrowth, 99: 1547
The pathophysiologic role of nocturnal acid secretion in gastric ulcers, 99: 901
The potential hazards of eating fish, 99: 602
The prevalence of hemorrhoids and chronic constipation, 99:1856
Reactivity of aggregated immunoglobulin in Crohn's disease, 99:904
Reflux esophagitis in Zollinger-Ellison syndrome, 99:1858
Renaming pancreatic stone protein as 'Lithostathine,' 99:900
Serum apolipoprotein A-IV levels and dietary fat, 99:286
Treatment of intestinal cryptosporidiosis in AIDS, 99:602
Ulcer healing: does omeprazole efficacy depend on daytime or 24-hour acid inhibition? 99:1858
Ulcerative colitis and T-cell receptor α-chain polymorphisms, 99:288

Cortisone, prenatal, and necrotizing enterocolitis (rat), 99:1333
Cost-effectiveness of cimetidine maintenance therapy in gastric and duodenal ulcer, 99:27
Cricopharyngeal bars biomechanics, 99: 1269
Crohn's disease
in Ashkenazi Jews, 99:286-c
Crohn's disease and NSAID enteropathy, 99:1190-c
elemental versus polymeric feeding, 99: 893-ss
6-mercaptopurine treatment in adolescents, 99:1347
parenteral nutrition and medical therapy, 99:1647
predictability of postoperative course, 99:956
predictors of hospitalization, 99:370
reactivity of aggregated immunoglobulin, 99:904-c
Cryptosporidiosis, intestinal, in AIDS, 99: 602-c
Cyclic GMP, and atrial natriuretic factor, ion transport in colon (rat), 99:1153
Cysteamine, and duodenal release of CCK, somatostatin role (rat), 99:1633
Cytochrome P450, hepatic, omeprazole effects, 99:737, 885-e
Cytomegalovirus, and pancreatic disease, in AIDS, 99:263-cr
Cytoprotection
gastric, by saturated lipids (rat), 99:311
γ-hydroxybutyrate in intestinal ischemia (hamster), 99:860
by urea, of *Helicobacter pylori* from bactericidal effect of acid, 99:697

Development
Adaptation and Development of Gastrointestinal Function, 99:1187-br
ileal glucagon gene expression (rat), 99: 724
motilin receptors, and contractility (rabbit), 99:652
symptoms in primary biliary cirrhosis, 99:778
Dextran-70 vs. albumin as plasma expander, in cirrhosis with ascites treated with paracentesis, 99:1736
Diacylglycerol, molecular basis of enzyme secretion, 99:1157
Diacylglycerol lipase, in gallbladder and hepatic bile, 99:1798
Diamine oxidase, polarized secretion by intestinal epithelial cells, heparin effects, 99:1675
Diaphragm, crural, electrical and mechanical inhibition during relaxation of lower esophageal sphincter, 99:1265
Diarrhea
bismuth therapy, 99:863
cholera toxin-induced, and serotonin receptor subtypes (rat), 99:83
chronic, α_1-antitrypsin excretion, 99:1380
intractable, in infancy, classification of, 99:1037
posthemicolectomy, SMS 201-995 treatment, 99:1144-cr
in *Vibrio cholerae* and enterotoxigenic *Escherichia coli*, Bioflorin (*Streptococcus faecium* SF68) treatment, 99: 1149
Diet
and interdigestive and postprandial pancreatic enzyme secretion, 99:1763
fat, and serum apolipoprotein A-IV, 99: 286-c
fish eating hazards, 99:602-c
Dieulafoy's vascular malformation, caliber-persistent artery of stomach, 99: 1507-cr
Differentiation in gut epithelium, liver fatty acid-binding protein as marker, 99: 1727
Digestion, intestinal, of three sugar alcohols, 99:717
Digestive diseases, NIH general medicine A-2 study section report, 99:1522
1,8-Dihydroxyanthraquinone (danthron), mesenteric vascular bed responses (rat), 99:1352
Dimethylformamide, occupational exposure, and hepatotoxicity, 99:748
Dipalmitoylphosphatidylcholine and tripalmitin, gastric protective activity (rat), 99:311
Disease activity, in inflammatory bowel disease, 99:90
Diverticular disease, VIP levels in sigmoid colon, 99:666
DNA
aneuploidy, surveillance in ulcerative colitis, 99:1021
hepatitis B virus
and antibody against e antigen, in chronic active hepatitis, 99:1113
in liver and blood mononuclear cells, during virus replication, 99:1745
polymerase chain reaction (chimpanzee), 99:799
nuclear distribution pattern, parenchymal cells in adenocarcinoma of pancreas and chronic pancreatitis, 99: 237
sequencing, C-Ki-*ras* mutations in ulcerative colitis and colon carcinoma, 99:416
Domperidone
anticholinesterase activity in gastrointestinal motor activity, comparison with dopamine antagonist (dog), 99:401
in chronic intestinal pseudoobstruction, 99:1194-c
Dopamine, antagonist HSR-803, anticholinesterase activity in gastrointestinal motor activity, comparison with domperidone and neostigmine (dog), 99:401
Doppler ultrasonography, in hepatocellular carcinoma, 99:1860-c

Dosage of cimetidine, for reflux esophagitis, 99:629
Dumping syndrome, early, after total gastrectomy, 99:923
Duodenum
bicarbonate stimulation by cerebral somatostatin-28 (rat), 99:340
central regulation of bicarbonate secretion, 99:278-ss
choledochoduodenal flow, sphincter of Oddi role (cat, opossum), 99:1641
cysteamine-induced CCK release (rat), 99:1633
gastrinomas, operative endoscopic transillumination, 99:1622
prostaglandin E_2 release and bicarbonate secretion, in duodenal ulcers, 99:951
ulcers. *See* Ulcers
Dyspepsia, nonulcer, personality traits, 99:327

Editorials
Hepatitis Non-A, Non-B: C At Last, 99:1177
Human cytochrome P450 isoforms. Their genetic heterogeneity and induction by omeprazole, 99:885
Our new publisher, 99:274
Somatostatin for variceal bleeders, 99:1524
Edrophonium test, esophageal pressure and pH, in noncardiac chest pain, 99:1257
Eicosanoids in amebiasis, 99:1857-c
Electrocoagulation, multipolar, vs. injection therapy, for bleeding peptic ulcers, 99:1303
Electrolyte transport, in colitis, 99:97
Electrophysiology
acid-base regulation of ion transport in ileum (rabbit), 99:132
allergic reactions in jejunal mucosa (rat), 99:74
dumping syndrome after total gastrectomy, 99:923
electrolyte transport in colitis, 99:97
gastric myenteric neurons, 99:562-ss
short-chain fatty acid absorption in colon (rabbit), 99:676
Endocrine cells, oxyntic mucosa in Zollinger-Ellison syndrome, ultrastructure of, 99:17
Endoscopy
colonic disease in cirrhosis, 99:195
columnar-lined esophagus, prevalence of, 99:918
drainage in acute cholangitis, 99:1530-ss
gastroesophageal features in cirrhosis, observer variability, 99:1189-c
intragastric balloon in super-morbid obesity, 99:362
laser lithotripsy, of large bile duct stones, 99:1128
operative transillumination, duodenal gastrinomas, 99:1622
postoperative course in Crohn's disease, 99:956
retrograde brush cytology, 99:1475
Endothelin immunoreactivity, mRNA, and receptors in gastrointestinal tract (rat), 99:1660
Endotoxin, and hepatic necrosis after resection (rat), 99:771
Enemas, mesalamine, in ulcerative colitis, 99:113
Enprostil, and alcohol-induced antral damage, 99:45
Enzyme-linked immunosorbent assay (ELISA)
for anti-*Helicobacter mustelae* antibody, gastritis in ferrets, 99:352
X antigen/antibody markers in hepadnavirus infections, 99:500
Enzymes
aminotransferase, and viral replication in chronic hepatitis B, 99:519
H^+,K^+-ATPase, in crypt of distal colon (rabbit), 99:1339
gastric lipase, in alcoholic pancreatitis, 99:175
glycosyltransferase, blood group antigens in colon cancer, 99:431
3-hydroxy-3-methylglutaryl coenzyme A reductase, and cholesterol regulation in intestine, 99:539
metabolic zonation in cirrhosis (rat), 99:785
mitochondrial, autoantibodies to, in primary biliary cirrhosis, 99:1786
mitochondrial dehydrogenase complexes, antibodies to, in primary biliary cirrhosis, 99:187
molecular basis of secretion, 99:1157
pancreatic, diet effects on interdigestive and postprandial secretion, 99:1763
tyrosine kinase, in intestinal microvillus membranes (rat), 99:370
tyrosylsulfotransferase, of human liver, 99:1072
uridine diphosphate glucuronosyltransferase, and bilirubin conjugates (rat), 99:488
Epidemiology
of irritable bowel syndrome in United States, 99:409
oral contraceptives and ulcerative colitis, 99:1032
Epidermal growth factor
and colonocyte proliferation (rat), 99:1710
in stress-induced gastric lesions (rat), 99:1607
Erythrocyte aplasia, ampicillin-associated, 99:854
Erythromycin, and gastric emptying, 99:559-ss
Escherichia coli, enterotoxigenic, Bioflorin (*Streptococcus faecium* SF68) for diarrhea, 99:1149
Esophagitis
necrotizing, antibiotic-associated, 99:900-c
reflux
cimetidine treatment, 99:629
omeprazole effects on serum gastrin and pepsinogens, 99:621
Esophagus
acute necrotizing, 99:1193-c
Na^+,H^+ antiport (rabbit), 99:909
biomechanics of cricopharyngeal bars, 99:1269
and bronchial-cardiac reflexes, acid-induced, 99:71
columnar-lined (Barrett's), prevalence of, 99:918
endoscopy in cirrhosis, observer variability, 99:1189-c
lower sphincter
electrical and mechanical inhibition of crural diaphragm, 99:1265
pressure, CCK effects, 99:641
obstruction after ingesting of fiber-containing diet pill, 99:1820-cr
pH and pressure recordings in chest pain, 99:1846-ss
pressure, and noncardiac chest pain, 99:1257
reflux esophagitis in Zollinger-Ellison syndrome, 99:1858-c
somatostatin for variceal bleeding, 99:1388, 1524-e
sphincter pressures, in asthma, 99:613
ulceration, after injection sclerotherapy, omeprazole treatment, 99:1829-cr
variceal hemorrhage, hemodynamics of propranolol effects, 99:1401
Ethanol
and dietary protein, interactive effects on pancreas (rat), 99:229
gastric mucosal injury, laparotomy-induced protection, role of capsaicin-sensitive sensory neurons (rat), 99:3
and liver regeneration, protooncogene transcripts (rat), 99:1105
Exercise, and gut transit, 99:290-c
Exocytosis
molecular basis of enzyme secretion, 99:1157
vesicular-dependent bile flow in sucrose loading (rat), 99:478
Extracellular space, and early dumping syndrome after total gastrectomy, 99:923

Famotidine, and hemodynamics, 99:1540-c
Fat
and bile duct emptying, 99:1480
dietary, and serum apolipoprotein A-IV, 99:286-c
Fatty acid-binding protein, liver marker for cellular differentiation in gut epithelial neoplasms, 99:1727
Fatty acids
and cholesterol regulation in intestine, 99:539
of phospholipids in gastric mucosa (dog, human, rat), 99:1292
short-chain
absorption in colon (rabbit), 99:676

low-molecular-weight compounds in fecal excretion in premature infants, 99:165
Fc receptors, sinusoidal, in liver cirrhosis (rat), 99:200
Feces
anorectal function in incontinence in cerebrospinal disease, 99:1372
α_1-antitrypsin excretion in gastrointestinal disorders, 99:1380
low-molecular-weight compounds of carbohydrate energy, in premature infants, 99:165
in neonates, zinc coproporphyrin as meconium marker, 99:1705
Ferritin, in iron-storage diseases, 99:1079
Fertility, and inflammatory bowel disease, 99:987
Fetoprotein, alpha-, lectin-reactivity, in hepatocellular carcinoma, 99:508
Fiber
-containing diet pill, esophageal obstruction, 99:1820-cr
dietary, in irritable bowel syndrome, 99:1538-c
Fibrosis, perisinusoidal, and hepatic venoocclusive disease, in arsenic poisoning, 99:1140-cr
Fish, eating hazards, 99:602-c
Flow cytometry
nuclear DNA distribution pattern of parenchymal cells in adenocarcinoma of pancreas and chronic pancreatitis, 99:237
surveillance in ulcerative colitis, 99:1021
Fluid secretion. *See* Diarrhea.
Fluorescence spectroscopy, laser-induced, of colonic mucosa, 99:150
Folic acid transport, in organ culture of human intestine, 99:964
Food, colon motor response, σ ligands effect (dog), 99:684
Foreign bodies, esophageal obstruction after ingestion of fiber-containing diet pill, 99:1820-cr
Friedenwald Medal, presentation to Rudi Schmid, 99:1554
Fructose and sorbitol malabsorption, in irritable bowel syndrome, 99:1016

G proteins, molecular basis of enzyme secretion, 99:1157
Gallbladder
contraction
and intrinsic nerves (guinea pig), 99:826
ursodeoxycholic acid effects in gallstone patients, 99:836
fat, and bile duct emptying, 99:1480
laparoscopic cholecystectomy, 99:1527-ss
motility, in cholesterol gallstone disease, effects of ursodeoxycholic acid, 99:1779
mucin, amino acid sequences from glycosylated domain (cow), 99:1493
mucosal function, cholesterol and calcium solubility, 99:1452
phospholipase C and diacylglycerol lipase, 99:1798
smooth muscle, actin and myosin isoforms (prairie dog), 99:1460
stones, piezoelectric lithotripsy, 99:1439
Gallstones
dissolution
gallbladder motility in cholesteral gallstone disease, effects of ursodeoxycholic acid, 99:1779
microprocessor-assisted solvent-transfer system, 99:1807
radiolucent, by oral dihydroxy bile acids, 99:243
pressures in extracorporeal shock-wave lithotripsy (pig), 99:1467
and serum lipids, 99:843
Gastrectomy, total, and extracellular space, blood volume, and early dumping syndrome, 99:923
Gastric emptying
erythromycin treatment, 99:559-ss
of liquids, interdigestive migrating myoelectric complex, 99:1275
in small intestinal neuropathies and myopathies, 99:158
Gastric lipase, in alcoholic pancreatitis, 99:175
Gastrin
and bombesin-stimulated somatostatin release (rat), 99:1297
cell hyperplasia, truncal vagotomy effects (dog), 99:1581
in *Helicobacter pylori* infection, 99:1185-ss
in reflux esophagitis, omeprazole effects, 99:621
secretion from cultured antral G cells, 99:36
and self-replication rate of enterochromaffinlike cells, (rat), 99:935
and somatostatin monoclonal antibody (rat), 99:659
and Zollinger-Ellison syndrome misdiagnosis due to hyperlipidemia, 99:1511
Gastrinoma, duodenal, operative endoscopic transillumination, 99:1622
Gastritis
active chronic, *Helicobacter pylori* infection (mouse), 99:1315
atrophic, in elderly, *Helicobacter pylori* infection, 99:1543-c
Helicobacter mustelae in ferrets, animal model of human gastritis, 99:352
Helicobacter pylori, 99:278-ss
nonantral atrophic, fundic argyrophil cell hyperplasia, 99:1307
stress, misoprostol for bleeding, 99:566-ss
Gastroenterology
The Development of American Gastroenterology, 99:1852-br
Manual of Clinical Problems in Gastroenterology, 99:569-br
Manual of Gastroenterology—Diagnosis and Therapy, 99:285-br
training programs, 99:571
Gastroesophageal reflux
in asthma, and bronchodilator therapy, 99:613
refractory, and gastric acid hypersecretion, 99:1542-c
Gastrointestinal tract
Adaptation and Development of Gastrointestinal Function, 99:1187-br
α_1-antitrypsin excretion in stool in disorders of, 99:1380
antroduodenal manometry, 99:1848-ss
bismuth therapy in peptic ulcer disease and diarrhea, 99:863
Clinical Implications of Abnormal Digestive Tract Radiographs, 99:569-br
Gastrointestinal Motility Disorders: Diagnosis and Treatment, 99:898-br
Gastrointestinal Pathology, 99:284-br
hormones, in Zollinger-Ellison syndrome, 99:1565
insulinlike growth factor I receptors (rabbit), 99:51
motor activity, anticholinesterase activity of dopamine antagonist, comparison with domperidone and neostigmine, (dog), 99:401
P450IIE1 immunohistochemical localization (rat), 99:1044
Pathophysiology of Gastrointestinal Diseases, 99:1187-br
somatostatin-14 and -28 distribution (human, rat), 99:1283
transit, and exercise, 99:290-c
Gastroparesis, ischemic, resolution after revascularization, 99:252-cr
Gastropathy, congestive, in cirrhosis, 99:1558
Gene expression, ileal glucagon (rat), 99:724
Genetic markers, phenylthiocarbamide taste sensitivity in peptic ulcer disease, 99:66
Gliadin
and jejunal prostaglandin E_2 in celiac disease, 99:703
peptides, injury to celiac small intestine, amine effects (rat), 99:1668
toxicity in celiac disease, intestinal protection by mannan and *N*-acetylglucosamine, 99:973
Glucagon, ileal gene expression (rat), 99:724
Glucocorticoids, and bone mass in women with primary biliary cirrhosis, 99:1134
Glucose metabolism in cirrhosis, 99:1715
Glucose-6-phosphatase, metabolic zonation in cirrhosis (rat), 99:785
Glutamine, as essential amino acid, 99:279-ss
Glycosyltransferase, blood group antigens in colon cancer, 99:431
Graft-versus-host disease, orthotopic liver transplantation after bone marrow transplantation, 99:536

Granulocyte infiltration into postischemic intestine, role of leukotriene B_4 (cat), 99:1358
Granulomas, caseating hepatic, in Hodgkin's lymphoma, 99:1837
Growth of pancreatic carcinoma cells, effect of pancreatic secretory trypsin inhibitor (rat), 99:1414
Growth factors
insulinlike, in gastrointestinal tract (rabbit), 99:51
transforming growth factor β_1, and collagen synthesis in intestinal smooth muscle cells, 99:447
Guanylate cyclase, and intestinal atrial natriuretic peptide receptors (rat), 99:125

Health surveys, epidemiology of irritable bowel syndrome, 99:409
Heart, atrial volume in cirrhosis, role of atrial natriuretic factor, 99:766
Helicobacter mustelae, in ferrets, animal model of human gastritis, 99:352
Helicobacter pylori
active chronic gastritis (mouse), 99:1315
and atrophic gastritis in elderly, 99:1543-c
and bismuth therapy, 99:863
congestive gastropathy in cirrhosis, 99:1558
gastritis, 99:278-ss
infection, gastrin release, 99:1185-ss
urea protection from bactericidal effect of acid, 99:697
Hemoccult test, and colorectal cancer, 99:607-c
Hemodynamics
during famotidine infusion, 99:1540-c
propranolol for variceal hemorrhage, 99:1401
Hemorrhage
after percutaneous liver biopsy, 99:1396
stress gastritis, misoprostol therapy, 99:566-ss
variceal, hemodynamics of propranolol effects, 99:1401
See also Bleeding
Hemorrhoids, prevalence of, 99:1856-c
Hepadnavirus infections, X antigen/antibody markers, 99:500
Heparin, and diamine oxidase secretion by intestinal epithelial cells, 99:1675
Hepatitis
alcoholic, colchicine effect on short-term survival, 99:811
B virus
antigens, in liver tissue, 99:1248
DNA in liver and blood mononuclear cells, during virus replication, 99:1745 polymerase chain reaction (chimpanzee), 99:799
histology, aminotransferase, and viral replication relationships, 99:519
infection in childhood, long-term outcome, 99:805
chronic active
autoimmune anti-hepatitis C reactivity, 99:1531-ss
with hepatitis B virus DNA and antibody against e antigen, 99:1113
E virus, molecular cloning, 99:560-ss
fulminant, after lisinopril administration, 99:1832
Hepatitis A, 99:1188-br
macrophage-mediated, role of tumor necrosis factor-α (mouse), 99:758
non-A, non-B, anti-hepatitis C virus antibody response (chimpanzee), 99:1054, 1177-e
Hirschsprung's disease, mechanical properties of colon obstruction (mouse), 99:995
Histamine, distal colonic muscle responses (human, rabbit), 99:1324
Histocompatibility complex molecules, on hepatocytes, ursodeoxycholic acid effects, 99:561-ss
Histology
and aminotransferase and viral replication, in chronic hepatitis B, 99:519
bone mass in women with primary biliary cirrhosis, 99:1134
C-Ki-*ras* mutations in ulcerative colitis and colon carcinoma, 99:416
electrolyte transport in colitis, 99:97
Escherichia coli 0157:H7-associated colitis, 99:142
exocrine secretion in acute pancreatitis (mouse, rat), 99:1120
fundic argyrophil cell hyperplasia in nonantral atrophic gastritis, 99:1307
Helicobacter pylori active chronic gastritis (mouse), 99:1315
hepatitis B virus antigens in liver tissue, 99:1248
hepatotoxicity from occupational exposure to dimethylformamide, 99:748
intestinal mast cell mediator release in ulcerative colitis, 99:119
tumor necrosis factor-α and macrophage-mediated hepatitis (mouse), 99:758
Hodgkin's lymphoma, caseating hepatic granulomas, 99:1837
Homeless, *Nowhere to Go: The Tragic Odyssey of the Homeless Mentally Ill*, 99:284-br
Hormones
and cholesterol regulation in intestine, 99:539
gastrointestinal, in Zollinger-Ellison syndrome, 99:1565
Hospitalization
epidemiology of irritable bowel syndrome, 99:409
predictors, in Crohn's disease, 99:380
Hydrogen breath test, lactulose, diagnosis of bacterial overgrowth, 99:1547-c
Hydrophobicity
bile acid effects in stomach, 99:305
gastric protective activity of saturated lipids (rat), 99:311
3-Hydroxy-3-methylglutaryl coenzyme A reductase, and cholesterol regulation in intestine, 99:539
γ-Hydroxybutyrate, protective effect in intestinal ischemia (hamster), 99:860
5-Hydroxytryptamine. *See* Serotonin.
Hyperlipidemia, Zollinger-Ellison syndrome misdiagnosis, 99:1511
Hyperphagia, adaptive, in postsurgical malabsorption, 99:1814-cr
Hypertension
arterial, fulminant hepatitis after lisinopril administration, 99:1832
spontaneous, intestinal phosphate transport (rat), 99:106
Hypoalbuminemia, α_1-antitrypsin excretion, 99:1380
Hypoxemia, and nodular regenerative hyperplasia of liver, peliosis hepatis, and perisinusoidal fibrosis, 99:268-cr
Hypoxia, and ischemic bowel necrosis, role of platelet-activating factor (rat), 99:979

Ileum
acid-base regulation of ion transport (rabbit), 99:132
glucagon gene expression (rat), 99:724
phorbol ester-stimulated secretion, role of arachidonic acid metabolism (chicken), 99:393
resection, postoperative course in Crohn's disease, 99:956
Immune complex, in liver cirrhosis (rat), 99:200
Immunochemistry, of pancreatic stone protein, 99:1421
Immunocytochemistry
gastrin secretion from antral G cells, 99:36
hyperplasia of gastric enterochromaffin-like cells, omeprazole-evoked hypergastrinemia and portacaval shunts (rat), 99:635
liver fatty acid-binding protein, marker of cellular differentiation in gut epithelial neoplasms, 99:1727
somatostatin-14 and -28 in gastrointestinal-pancreatic cells (human, rat), 99:1283
Immunofluorescence
H^+,K^+-ATPase in crypt of distal colon (rabbit), 99:1339
diamine oxidase secretion by intestinal epithelial cells, heparin effects, 99:1675
neurofilament immunoreactivity in myenteric neurons (rat), 99:1364
secretory immunity in celiac disease, 99:386
Immunoglobulins
A subclass, in celiac disease, 99:386
aggregated, in Crohn's disease, 99:904-c
Immunohistochemistry
bile duct proliferation after biliary obstruction (rat), 99:466

microtubule-associated proteins of enteric nervous system, 99:1841
P450IIE1 localization in alimentary tract (rat), 99:1044
sinusoidal Fc receptors and immune complex, in liver cirrhosis (rat), 99:200
tumor necrosis factor-α and macrophage-mediated hepatitis (mouse), 99:758
VIP levels in sigmoid colon, in idiopathic constipation and diverticular disease, 99:666
Immunohistology
classification of intractable diarrhea in infancy, 99:1037
surface antigen on colonic lymphoid cells, comparison of follicular and lamina propria lymphocytes, 99:421
Immunology
antinuclear antibodies to 200-kD polypeptide of nuclear envelope in primary biliary cirrhosis, 99:181
of cholecystokinin-58 (dog), 99:646
of endothelin, in gastrointestinal tract (rat), 99:1660
somatostatin, in antral D cells, 99:690
Incontinence, anorectal function in cerebrospinal disease, 99:1372
Indomethacin
and bile duct proliferation after biliary obstruction (rat), 99:466
and gastroduodenal morphology and mucosal pH gradient, 99:334
Infants
intractable diarrhea, classification of, 99:1037
premature, low-molecular-weight compounds and fecal excretion of carbohydrate energy, 99:165
zinc coproporphyrin as meconium marker in neonates, 99:1705
Infection
hepadnavirus, X antigen/antibody markers, 99:500
mycobacterial, alcohol effects on host response (rat), 99:1723
Inferior vena cava syndrome after embolization of hepatic adenoma, 99:1502-cr
Inflammation
allergic reactions of jejunal mucosa (rat), 99:74
distal colonic muscle responses (human, rabbit), 99:1324
Inflammatory bowel disease
azathioprine safety during pregnancy, 99:443
complement deposits, 99:1541-c
health status, 99:90
intravenous nutrition, 99:730
preterm birth risk, 99:987
Injection therapy vs. electrocoagulation, for bleeding peptic ulcers, 99:1303
Innervation, visceral afferent mechanisms in functional bowel disorders, 99:1688
Inositol, molecular basis of enzyme secretion, 99:1157
Insulin, hepatic extraction, in cirrhosis, 99:1715
Insulinlike growth factor I receptors, in gastrointestinal tract (rabbit), 99:51
Interleukin-1, recombinant, and acid secretion (rat), 99:1599
Intestine
atrial natriuretic peptide receptor coupled to guanylate cyclase (rat), 99:125
calcium, phosphate, and bile acids, effects of dietary calcium, 99:1653
in celiac disease, mannan and *N*-acetylglucosamine protection against gliadin toxicity, 99:973
cholera toxin-induced fluid secretion, and serotonin receptor subtypes (rat), 99:83
cholesterol regulation, 99:539
cryptosporidiosis in AIDS, 99:602-c
digestion and absorption of three sugar alcohols, 99:717
epithelial cells, diamine oxidase polarized secretion, 99:1675
epithelial neoplasms, liver fatty acid-binding protein as marker, 99:1727
ischemia
granulocyte infiltration, role of leukotriene B_4 (cat), 99:1358
γ-hydroxybutyrate protective effects (hamster), 99:860
mast cell mediators, in ulcerative colitis, 99:119
microvillus membranes, tyrosine kinase activity (rat), 99:370
necrotizing enterocolitis, prenatal cortisone effects (rat), 99:1333
organ-cultured mucosa, folic acid transport, 99:964
phosphate transport, in spontaneous hypertension (rat), 99:106
pseudoobstruction, domperidone therapy, 99:1194-c
small
celiac, amine protection from injury by gliadin peptides (rat), 99:1668
neuropathies and myopathies, ileocolonic transfer of solid chyme, 99:158
smooth muscle cells, transforming growth factor β_1 effect on collagen synthesis, 99:447
villus contraction, induction by prostaglandin E_2 (rat), 99:708
Ion transport
acid-base regulation, in ileum (rabbit), 99:132
in colon, atrial natriuretic factor and cyclic GMP (rat), 99:1153
Iron-storage disease, laboratory and hepatic imaging studies, 99:1079
Irritable bowel syndrome
dietary fiber, 99:1538-c
epidemiology in United States, 99:409
fructose-sorbitol malabsorption, 99:1016
personality traits, 99:327
visceral afferent mechanisms, 99:1688
Ischemia
bowel necrosis, platelet-activating factor role (rat), 99:979
gastroparesis, resolution after revascularization, 99:252-cr
intestinal
γ-hydroxybutyrate protective effects (hamster), 99:860
leukotriene B_4 role in granulocyte infiltration (cat), 99:1358

Jejunum
gliadin challenge of prostaglandin E_2 secretion in celiac disease, 99:703
mucosa, allergic reactions (rat), 99:74
Joining chain, and IgA subclass, in celiac disease, 99:386

Kasai procedure for biliary atresia, long-term outcome, 99:1793
Kidney, protein effects, in cirrhosis, 99:895-ss
Kinetics
of Na^+,H^+ antiport in esophagus (rabbit), 99:909
bile acid transport by plasma membrane vesicles of placental trophoblast, 99:1431
folic acid transport in human intestine, 99:964
intestinal phosphate transport in spontaneous hypertension (rat), 99:106
of radiolucent gallstone dissolution by oral dihydroxy bile acids, 99:243
Lactulose hydrogen breath test, diagnosis of bacterial overgrowth, 99:1547-c
Lagodeoxycholic acid metabolism and effects of (rat, rabbit, hamster), 99:1092
Laparoscopy
cholecystectomy, 99:1527-ss
gastric protection against ethanol injury, role of capsaicin-sensitive sensory neurons (rat), 99:3
Laxative, and mesenteric vascular beds (rat), 99:1352
Lectin reactivity of alpha-fetoprotein in hepatocellular carcinoma, 99:508
Leukotriene B_4, and granulocyte infiltration into postischemic intestine (cat), 99:1358
Lidocaine, hepatic extraction, cimetidine and omeprazole effects (rat), 99:857
Lipids
biliary
and bile acid secretion, uncoupling by organic anions (rat), 99:1485
and ceftriaxone precipitation in bile (rat), 99:454
and gallstones, 99:843
membrane, and electrolyte transport in colitis, 99:97
and pyloric motor response, naloxone effect, 99:930
saturated, gastric protective activity (rat), 99:311
Lipoproteins, and cholesterol regulation in intestine, 99:539

5-Lipoxygenase binding protein, 99:1185-ss
Liquids, gastric emptying, and interdigestive migrating myoelectric complex, 99:1275
Lisinopril, and fulminant hepatitis, 99:1832
Lithostathine, renamed pancreatic stone protein, 99:900-c
Lithotripsy
endoscopic laser, of large bile duct stones, 99:1128
extracorporeal shock-wave, pressure assessment (pig), 99:1467
piezoelectric, for gallbladder stones, 99:1439
Liver
biopsy, in liver transplantation, 99:1182-ss
Cells of the Hepatic Sinusoid. Volume 2, 99:898-br
cytochrome P450, omeprazole effects, 99:737, 885-e
fatty acid-binding protein, cellular differentiation in gut epithelial neoplasms, 99:1727
glucose metabolism and insulin extraction, in cirrhosis, 99:1715
hepatitis B virus
antigen detection, 99:1148
DNA during virus replication, 99:1745
HLA molecules on hepatocytes, 99:561-ss
imaging studies, in iron-storage diseases, 99:1079
lidocaine metabolism, cimetidine and omeprazole effects (rat), 99:857
mitochondrial lipids, oxidant injury in copper overload, vitamine E deficiency (rat), 99:1061
mycobacterial infection, alcohol effects on host response (rat), 99:1723
necrosis after resection, endotoxin effect (rat), 99:771
orthotopic transplantation, for graft-versus-host disease after bone marrow transplantation, 99:536
pemoline-associated injury, 99:1517
percutaneous biopsy, hemorrhage after, 99:1396
regeneration, ethanol effects, and protooncogene transcripts (rat), 99:1105
taurocholate effects on transcytotic vesicular pathways (rat), 99:216
toxicity, occupational exposure to dimethylformamide, 99:748
transplantation
and colonic disease in cirrhosis, 99:195
for fulminant Wilson's disease, 99:1834
tyrosylsulfotransferase, 99:1072
venous pressure gradient, and propranolol effects on variceal hemorrhage, 99:1401
vesicular-dependent bile flow in sucrose loading (rat), 99:478
Liver disease
adenoma, inferior vena cava syndrome after embolization of, 99:1502-cr
biliary ductopenia in adults, 99:1823-cr
branched-chain amino acids in hepatic encephalopathy, 99:604
caseating hepatic granulomas in Hodgkin's lymphoma, 99:1837
cirrhosis, sinusoidal Fc receptors and immune complex uptake (rat), 99:200
hepatic encephalopathy, branched-chain amino acids, 99:287-c
hepatic hemangiomatosis associated with metoclopramide, arteriovenous shunting and cholestasis, 99:258-cr
hepatocellular carcinoma
Doppler signals, 99:1860-c
with incomplete Alagille syndrome, 99:1514
lectin-reactivity of alpha-fetoprotein, 99:508
Hepatology for the Clinician: A Problem-Oriented Approach, 99:1536-br
metabolic zonation in cirrhosis (rat), 99:785
metastatic adenocarcinoma, cholangiography of, 99:850
nodular regenerative hyperplasia, peliosis hepatis, and perisinusoidal fibrosis, 99:268-cr
nonalcoholic steatohepatitis, 99:282-ss
in overweight patients, weight reduction effects, 99:1408
in third trimester of pregnancy, 99:552
venoocclusive disease, and perisinusoidal fibrosis, in arsenic poisoning, 99:1140-cr
See also Hepatitis.
Loxiglumide, and postprandial pancreatic polypeptide release, 99:1757
Lung cancer, and asbestos, 99:876
Lycasin, intestinal digestion and absorption, 99:717
Lymphadenopathy, angioimmunoblastic, and nodular regenerative hyperplasia of liver, peliosis, hepatis, and perisinusoidal fibrosis, 99:268-cr
Lymphocytes, follicular and lamina propria, surface antigen on colonic mucosa, 99:421

Macrophages and hepatitis, role of tumor necrosis factor-α (mouse), 99:758
Magnetic resonance imaging, in iron-storage diseases, 99:1079
Malabsorption
α_1-antitrypsin excretion, 99:1380
postsurgical, adaptive hyperphagia, 99:1814-cr
Maltitol, intestinal digestion and absorption, 99:717
Mannan in celiac disease, protection of intestinal mucosa from gliadin toxicity, 99:973
Manometry
anorectal, in incontinence with cerebrospinal disease, 99:1372
antroduodenal, of functional gastrointestinal symptoms, 99:1848-ss
naloxone effect on lipid-induced pyloric motor response, 99:930
Mast cell mediator release, intestinal, in ulcerative colitis, 99:119
Mathematical equations, colon obstruction in model of Hirschsprung's disease (mouse), 99:995
Meconium in neonates, zinc coproporphyrin as marker, 99:1705
Membranes
colonic epithelial cell, electrolyte transport, 99:97
intestinal microvillus, tyrosine kinase activity (rat), 99:370
of placental trophoblast, bile acid transport by vesicles, 99:1431
Mental illness, *Nowhere to Go: The Tragic Odyssey of the Homeless Mentally Ill*, 99:284-br
6-Mercaptopurine for Crohn's disease, 99:1347
Mesalamine enemas, in remission in ulcerative colitis, 99:113
Mesentery, vascular responses to laxatives (rat), 99:1352
Methodology
fluorometric immunoassay, pancreatic stone protein characterization and distribution, 99:1421
immunoblotting, pepsinogen A isozymogen patterns in gastric mucosa, 99:1576
laboratory and hepatic imaging studies, in iron-storage diseases, 99:1079
laser lithotripsy of large bile duct stones, 99:1128
microprocessor-assisted solvent-transfer system for gallstone dissolution, 99:1807
radioimmunoassay, virus-specific immune response patterns in non-A, non-B hepatitis (chimpanzee), 99:1054
Metoclopramide, hepatic hemangiomatosis associated with, arteriovenous shunting and cholestasis, 99:258-cr
Microprocessor-assisted solvent-transfer system, for gallstone dissolution, 99:1807
Microscopy
electron
endocrine cells of oxyntic mucosa in Zollinger-Ellison syndrome, 99:17
hepatotoxicity and occupational exposure to dimethylformamide, 99:748
taurocholate effect on transcytotic vesicular pathways in liver (rat), 99:216
vesicular-dependent bile flow in sucrose loading (rat), 99:478
electron and light
gastric protective activity of saturated lipids (rat), 99:311
hepatic necrosis after resection, endotoxin effect (rat), 99:771
oxidant damage to hepatic mitochondrial lipids in copper overload (rat), 99:1061

light
actin and myosin isoforms in gallbladder smooth muscle (prairie dog), 99:1460
See also Histology.
Migrating myoelectric complex, and gastric emptying of liquids, 99:1275
Minerals of bone, in primary biliary cirrhosis, 99:1134
Minnesota Multiphasic Personality Inventory, in nonulcer dyspepsia and irritable bowel syndrome, 99:327
Misoprostol
and bleeding from stress gastritis, 99:566-ss
and gastroduodenal ulcers, 99:1533-ss
Mitochondria, liver, oxidant effect on lipids, in copper toxicity, and vitamin E deficiency (rat), 99:1061
Mitochondrial dehydrogenase complexes antibodies, in primary biliary cirrhosis, 99:187
Mitogens, and Na^+/H^+ antiporter activity, 99:565-ss
Morphology, gastroduodenal, indomethacin effects, 99:334
Morphometry, bile duct proliferation after biliary obstruction (rat), 99:466
Mortality
asbestos and colorectal cancer, 99:876
necrotizing enterocolitis, and prenatal cortisone (rat), 99:1333
Motilin
receptors, development of contractility (rabbit), 99:652
Motilin, 99:1537-br
Motility
American Motility Society, abstracts of 1990 meeting, 99:1202
gallbladder, in cholesterol gallstone disease, effects of ursodeoxycholic acid, 99:1779
Gastrointestinal Motility Disorders: Diagnosis and Treatment, 99:898-br
ileocolonic transfer of solid chyme, 99:158
rectosigmoid, dietary fiber in irritable bowel syndrome, 99:1538-c
visceral afferent mechanisms in functional bowel disorders, 99:1688
Mucin, gallbladder, amino acid sequences from glycosylated domain of protein core (cow), 99:1493
Mucoid cap over superficial gastric damage, NSAID and endothelin effects (rat), 99:295
Mucosa
colon
laser-induced fluorescence spectroscopy, adenomatous transformation, 99:150
surface antigen on follicular and lamina propria lymphocytes, 99:421
oxyntic, ultrastructure of endocrine cells in Zollinger-Ellison syndrome, 99:17
Muscles
distal colonic, responses to inflammatory mediators (human, rabbit), 99:1324
gallbladder, actin and myosin isoforms (prairie dog), 99:1460
skeletal and respiratory, and intravenous nutrition in inflammatory bowel disease, 99:730
Mycobacteria, host response to infection, alcohol effects (rat), 99:1723
Myenteric plexus, neurofilament immunoreactivity (rat), 99:1364
Myosin isoforms, in gallbladder smooth muscle (prairie dog), 99:1460

Naloxone, and lipid-induced pyloric motor response, 99:930
National Institutes of Health (NIH), DDDN general medicine A-2 study section report, 99:1522
Neoplasms, intestinal epithelial, liver fatty acid-binding protein as marker, 99:1727
Neostigmine, anticholinesterase effect in gastrointestinal motor activity, comparison with dopamine antagonist (dog), 99:401
Nerves, intrinsic, and gallbladder contraction (guinea pig), 99:826
Nervous system
central, somatostatin-28 stimulation of duodenal bicarbonate secretion (rat), 99:340
enteric, microtubule-associated proteins, 99:1841
Neurofilaments, immunoreactivity in myenteric neurons and CNS (rat), 99:1364
Neurons
capsaicin-sensitive, and laparotomy-induced gastric protection against ethanol (rat), 99:3
gastric myenteric, 99:562-ss
myenteric, neurofilament immunoreactivity (rat), 99:1364
Neuropeptide Y, in sigmoid colon, in idiopathic constipation and diverticular disease, 99:666
Nonsteroidal antiinflammatory drugs (NSAIDs)
Crohn's disease and NSAID enteropathy, 99:1190-c
and mucoid cap over superficial gastric damage (rat), 99:295
Notices, 99:291, 610, 906, 1197, 1861
Nuclear envelope, antinuclear antibodies to 200-kD polypeptide, in primary biliary cirrhosis, 99:181
Nutrition
elemental versus polymeric feeding in Crohn's disease, 99:893-ss
enteral nutrition and malnourished cirrhotic patients, 99:1192-c
intravenous, and inflammatory bowel disease, 99:730
parenteral, in Crohn's disease and ulcerative colitis, 99:1647
protein interaction with ethanol, in pancreas (rat), 99:229
serum albumin as measure of, 99:1845-ss

Obesity
super-morbid, intragastric balloon, 99:362
weight reduction effects on liver abnormalities, 99:1408
Occupational exposure to dimethylformamide, hepatotoxicity, 99:748
Ogilvie's syndrome, cisapride treatment, 99:1194-c
Omeprazole
and cimetidine, lidocaine metabolism (rat), 99:857
for esophageal ulceration after injection sclerotherapy, 99:1829-cr
and gastric oxyntic endocrine cells, in Zollinger-Ellison syndrome, 99:943
and gastric vagotomy, in duodenal ulcer patients, gastric acidity and plasma gastrin, 99:1593
and hepatic cytochrome P450, 99:737, 885-e
hypergastrinemia, and hyperplasia of gastric enterochromaffinlike cells (rat), 99:635
and self-replication rate of enterochromaffinlike cells (rat), 99:935
and serum gastrin and pepsinogens, in reflux esophagitis, 99:621
and surgery in Zollinger-Ellison syndrome, 99:10
and ulcer healing, 99:1858-c
Organ culture, intestine, folic acid transport, 99:964
Oxidant damage, to hepatic mitochondrial lipids in copper toxicity, and vitamin E deficiency (rat), 99:1061

P450IIE1, ethanol-inducible, immunohistochemical localization in alimentary tract (rat), 99:1044
Pain
duodenal ulcers, acid effects, 99:603-c
liver disease in pregnancy, 99:552
noncardiac chest
esophageal pressure and pH, 99:1257
esophageal tests, 99:1846-ss
visceral afferent mechanisms, 99:1688
Pancreas
acinar cells, molecular basis of enzyme secretion, 99:1157
adenocarcinoma, nuclear DNA distribution pattern of parenchymal cells, 99:237
ascites, somatostatin treatment, 99:1520
carcinoma, pancreatic secretory trypsin inhibitor effect (rat), 99:1414
cytomegalovirus-associated pancreatic disease, in AIDS, 99:263-cr
endoscopic retrograde brush cytology, 99:1475
exocrine secretion (mouse, rat), 99:1120
exocrine secretion, pancreastatin inhibitory effects (rat), 99:1751
familial cancer, 99:891-ss

feedback regulation of secretion, 99: 890-ss
interactive effects of dietary protein and ethanol (rat), 99:229
interdigestive and postprandial enzyme secretion, diet effects, 99:1763
pleural effusion, pancreatic duct disruption, 99:528-cr
somatostatin-14 and -28 distribution (human, rat), 99:1283
stone protein, renaming as lithostathine, 99:900-c

Pancreastatin
and gastric acid secretion (dog), 99:61
inhibition of pancreatic exocrine secretion (rat), 99:1751

Pancreatic endocrine tumor syndrome, and Zollinger-Ellison syndrome, 99: 1565

Pancreatic polypeptide, postprandial release, loxiglumide effects, 99:1757

Pancreatic secretory trypsin inhibitor, and growth of pancreatic carcinoma cells (rat), 99:1414

Pancreatic stone protein, immunochemistry and quantitative distribution, 99: 1421

Pancreatitis
acute alcoholic, 99:1544-c
alcoholic, gastric lipase in, 99:175
chronic, abnormal drug metabolism, antioxidant treatment, 99:1855-c
nuclear DNA distribution pattern of parenchymal cells, 99:237

Paracentesis
for cirrhosis with ascites, dextran-70 vs. albumin as plasma expanders, 99: 1736
diagnostic, 99:902-c

Parenchymal cells, nuclear DNA distribution pattern, in adenocarcinoma of pancreas and chronic pancreatitis, 99:237

Pemoline, and hepatic injury, 99:1517

Pepsinogen
A isozymogen, in serum and gastric mucosa, 99:1576
groups A and C, in reflux esophagitis, omeprazole effects, 99:621

Peritonitis, spontaneous and secondary, in cirrhotics, 99:1538-c

Permeability, polyethylene glycol 400, in colon epithelial barrier (rat), 99:1001

Personality traits, in nonulcer dyspepsia and irritable bowel syndrome, 99:327

pH
Na^+,H^+ antiport in esophagus (rabbit), 99:909
of bile, and calcium solubility, 99:1452
and colonic absorption of polyethylene glycol 400 (rat), 99:1001
and esophageal pressure, in noncardiac chest pain, 99:1257
gastric, and plasma gastrin, after omeprazole treatment and gastric vagotomy in duodenal ulcer patients, 99:1593
high, mucoid cap over superficial gastric damage, NSAID and endothelin effect (rat), 99:295
mucosal gradient, indomethacin effects in stomach, 99:334

Phencyclidine, σ ligands, colonic motor response (dog), 99:684

Phenylthiocarbamide taste sensitivity, in peptic ulcer disease, 99:66

Phorbol ester, and anion secretion in ileum, role of arachidonic acid metabolism (chicken), 99:393

Phosphate
and intestinal calcium and bile acids, effects of dietary calcium, 99:1653
intestinal transport, in spontaneous hypertension (rat), 99:106

Phosphatidylcholine, composition and metabolism of molecular classes, in gastric mucosa (dog, human, rat), 99: 1292

Phospholipase C
in gallbladder and hepatic bile, 99:1798
molecular basis of enzyme secretion, 99: 1157

Phospholipids
of gastric mucosa (rat, human, dog), 99: 1292
metabolism, and molecular basis of enzyme secretion, 99:1157

Phosphorylation
and cholesterol regulation in intestine, 99:539
mitogen control of Na^+/H^+ antiporter activity, 99:565-ss
tyrosine kinase activity in intestinal microvillus membranes (rat), 99:370

Photosensitivity, cutaneous, and coproporphyrin abnormalities in Alagille syndrome, 99:831

Placenta, trophoblast, bile acid transport by plasma membrane vesicles, 99:1431

Plasma expanders, dextran-70 vs. albumin, in cirrhosis with ascites treated with paracentesis, 99:1736

Platelet-activating factor, and ischemic bowel necrosis in hypoxia (rat), 99: 979

Pleural effusion, pancreatic, pancreatic duct disruption, 99:528-cr

Point mutation, e antigen, in chronic active hepatitis with hepatitis B virus DNA, 99:1113

Polyethylene glycol 400, and colonic epithelial barrier (rat), 99:1001

Polymerase chain reaction, hepatitis B virus DNA (chimpanzee), 99:799

Polypeptide, 200-kilodalton, of nuclear envelope, antinuclear antibodies in biliary cirrhosis, 99:181

Polyps, *Adenomatous Polyps of the Colon: Pathobiological and Clinical Features*, 99:899-br

Pregnancy
azathioprine safety in inflammatory bowel disease, 99:443
and inflammatory bowel disease, risk of preterm birth, 99:987
third trimester, liver disease, 99:552

Pressure
in extracorporeal shock-wave lithotripsy (pig), 99:1467
lower esophageal sphincter, CCK regulation, 99:641

Propranolol for variceal hemorrhage, hemodynamics of, 99:1401

Prostaglandins
distal colonic muscle responses (human, rabbit), 99:1324
E_2
gliadin effects in celiac disease, 99:703
proximal duodenal release, in duodenal ulcer, 99:951
and villus contraction (rat), 99:708
in stress-induced gastric lesions (rat), 99: 1607

Prosthesis, biliary, clogged, 99:281-ss

Protein
cobalamin-binding, 99:1195-c
and ethanol, interactive effects on pancreas (rat), 99:229
intravenous nutrition in inflammatory bowel disease, 99:730
5-lipoxygenase-binding, 99:1185-ss
microtubule-associated, of enteric nervous system, 99:1841
pancreatic stone, renamed as lithostathine, 99:900-c
ras, posttranslational processing, 99: 276-ss
and renal function in cirrhosis, 99:895-ss

Protooncogenes, transcripts of, ethanol inhibition of liver regeneration (rat), 99:1105

Psychosocial measures, health status in inflammatory bowel disease, 99:90

Pumps, microprocessor-assisted solvent-transfer system for gallstone dissolution, 99:1807

Radioimmunoassay, cholecystokinin-58 (dog), 99:646

Radiology
Clinical Implications of Abnormal Digestive Tract Radiographs, 99:569-br
in rectal cancer, 99:895-ss

Ranitidine, and self-replication rate of enterochromaffinlike cells (rat), 99:935

Receptors
atrial natriuretic peptide, intestinal, and guanylate cyclase (rat), 99:125
endothelin, in gastrointestinal tract (rat), 99:1660
insulinlike growth factor I, in gastrointestinal tract (rabbit), 99:51
molecular basis of enzyme secretion, 99: 1157
motilin, development of contractility (rabbit), 99:652
serotonin subtypes, and cholera toxin-induced intestinal fluid secretion (rat), 99:83

sigma, colonic motor response to meal (dog), 99:684
sinusoidal Fc, in liver cirrhosis (rat), 99: 200
Rectum
cancer, radiotherapy, 99:895-ss
distention by balloon inflation, sensory and motor responses, 99:1008
Reflexes, esophagobronchial, acid-induced, 99:71
Regression analysis, acid suppression and healing of duodenal ulcers, 99:345
Revascularization, and ischemic gastroparesis, 99:252-cr
Risk factors, postoperative course in Crohn's disease, 99:956
RNA, messenger
endothelin-1 in gastrointestinal tract (rat), 99:1660
ileal glucagon (rat), 99:724
protooncogene transcript, in ethanol inhibition of liver regeneration (rat), 99:1105

Salsalate and aspirin, mucosal injury and gastroduodenal mucosal prostaglandins, 99:1616
Sclerotherapy, injection, omeprazole for esophageal ulceration after, 99: 1829-cr
Secretin, synthetic human, and calcium carbonate solubility in bile, 99:1445
Selected Summaries
Acalculous cholecystitis: a new perspective, 99:1529
Acute cholangitis—endoscopic drainage or emergency surgery? 99:1530
Allergic reactions alter gastric function, 99:1184
Another important effect of *Helicobacter pylori* infection, 99:1185
CEA as a cell adhesion molecule, 99:277
Central regulation of duodenal bicarbonate secretion, 99:278
The clogged biliary endoprosthesis: help on the way, 99:281
The effect of protein on renal function in cirrhosis, 99:895
Elemental versus polymeric feeding in patients with Crohn's disease—is there really a winner? 99:893
Erythromycin—the prokinetic drug of the future. Have we heard this story line before? 99:559
Esophageal tests for all seasons and all reasons but...how do they help the patient? 99:1846
Exciting news on gastric neurons, 99:562
Expression of HLA molecules on hepatocytes: does ursodeoxycholic acid prevent immunologic injury? 99:561
Familial pancreatic cancer: insight into etiology or an interesting quirk of nature? 99:891
Feedback regulation of pancreatic secretion, 99:890
Glutamine: an essential nonessential amino acid for the gut, 99:279
Helicobacter pylori gastritis, 99:278-ss
Implications of anti-hepatitis C reactivity in autoimmune chronic active hepatitis, 99:1531
Laparoscopic cholecystectomy: passing fancy or legitimate treatment option, 99:1527
Liver biopsy in the long-term follow-up of liver transplant patients: still the gold standard, 99:1182
Misoprostol: another agent to prevent bleeding from stress gastritis, 99:566
Mitogens control Na/H antiporter activity by phosphorylation, 99:565
The myth of serum albumin as a measure of nutritional status, 99:1845
Not all fatty livers are benign, 99:282
And now, the molecular cloning of the hepatitis E virus, 99:560
Posttranslational processing of *ras* proteins, 99:276
Preoperative radiotherapy is better than postoperative radiotherapy in patients with rectal cancer, 99:895
Primary biliary cirrhosis in a mouse, 99: 1181
Sialylation and metastatic colon cancer, 99:564
Surveillance after colon cancer: is it worthwhile? 99:1849
Treatment of NSAID-induced gastroduodenal ulcers, 99:1533
What is functional disease and how do you measure it? 99:1848
What's all the flap about? A new 5-lipoxygenase-binding protein identified? 99:1185
Senna, mesenteric vascular bed responses (rat), 99:1352
Serotonin receptor subtypes, and cholera toxin-induced intestinal fluid secretion (rat), 99:83
Shunts
arteriovenous, in hepatic hemangiomatosis associated with metoclopramide, 99:258-cr
portacaval, and hyperplasia of gastric enterochromaffinlike cells (rat), 99: 635
Sialoprotein, and metastatic colon cancer, 99:564-ss
Signal transduction, molecular basis of enzyme secretion, 99:1157
Skin photosensitivity, in Alagille syndrome, 99:831
SMS 201-995, for posthemicolectomy diarrhea, 99:1144-cr
Sodium transport, in colitis, 99:97
Solubility
of calcium carbonate in bile, effects of synthetic human secretin, 99:1445
calcium-ceftriaxone binding, biliary sludge formation, 99:1772
cholesterol and calcium, effects of bile concentration and acidification, 99: 1452
Solvent transfer, microprocessor-assisted, for gallstone dissolution, 99:1807
Somatostatin
analogue SMS 201-995, for posthemicolectomy diarrhea, 99:1144-cr
bombesin-stimulated release, gastrin role (rat), 99:1297
14 and 28, in gastrointestinal-pancreatic cells (human, rat), 99:1283
and G-cell function, 99:36
immunoreactivity, from antral D cells, 99:690
inhibitory regulator of CCK secretion (rat), 99:1633
monoclonal antibody, and gastric and gastric acid secretion (rat), 99:659
for pancreatic ascites, 99:1520
28, cerebral, and duodenal bicarbonate secretion (rat), 99:340
for variceal bleeding, 99:1388, 1524-e
Sorbitol
intestinal digestion and absorption, 99: 717
malabsorption, in irritable bowel syndrome, 99:1016
Spermidine and spermine, protection of celiac small intestine from injury of gliadin peptides (rat), 99:1668
Sphincter
external anal, in incontinence with cerebrospinal disease, 99:1372
lower esophageal
CCK regulation of pressure, 99:641
electrical and mechanical inhibition of crural diaphragm, 99:1265
of Oddi, choledochoduodenal flow (cat, opossum), 99:1641
Spinal cord injury, anorectal function in incontinence, 99:1372
Statistics, predictors of hospitalization in Crohn's disease, 99:380
Stevens–Johnson syndrome, cholestasis, bile duct paucity, red cell aplasia, role of ampicillin, 99:854
Stomach
acid secretion, pancreastatin effects (dog), 99:61
acidity, and plasma gastrin, after omeprazole treatment and gastric vagotomy in duodenal ulcer patients, 99: 1593
and allergic reactions, 99:1184-ss
antral D cells, somatostatin immunoreactivity, 99:690
antral damage from alcohol, enprostil effect, 99:45
cancer, geopathology of, 99:1540-c
cytoprotection by saturated lipids (rat), 99:311
Dieulafoy's vascular malformation, 99: 1507-cr
and duodenum, mucosal injury and prostaglandins, effects of salsalate and aspirin, 99:1616

enterochromaffinlike cells
gastrin effect on self-replication rate (rat), 99:935
hyperplasia from portacaval shunting and omeprazole-evoked hypergastrinemia (rat), 99:635
fundic argyrophil cell hyperplasia in nonantral atrophic gastritis, 99:1307
gastrin role in bombesin-stimulated somatostatin release (rat), 99:1297
indomethacin effects on morphology and mucosal pH gradient, 99:334
Japanese view of American early gastric cancer detection, 99:1189-c
laparotomy-induced protection against ethanol injury, role of capsaicin-sensitive sensory neurons (rat), 99:3
lipid-induced pyloric motor response, naloxone effects, 99:930
mucoid cap over superficial damage, NSAID and endothelin effects (rat), 99:295
mucosa
pepsinogen A isozymogen patterns, 99:1576
phosphatidylcholine composition and metabolism (dog, human, rat), 99:1292
myenteric neurons, 99:562-ss
oxyntic endocrine cells, effect of omeprazole therapy in Zollinger-Ellison syndrome, 99:943
parietal cell mass and antral gastrin cells, effect of truncal vagotomy (dog), 99:1581
partial resection, breath hydrogen testing, 99:603-c
stress-induced lesions, role of epidermal growth factor, prostaglandin, and sulfhydryls (rat), 99:1607
thermodynamic effects of bile acids, 99:305
See also Acid secretion, gastric; Gastric emptying; Ulcers

Stress
acute and chronic, in duodenal ulcer disease, 99:1628
and gastric lesions, role of epidermal growth factor, prostaglandin, and sulfhydryls (rat), 99:1607
gastritis, misoprostol for bleeding, 99:566-ss

Substance P in sigmoid colon, in idiopathic constipation and diverticular disease, 99:666

Succinate dehydrogenase, metabolic zonation in cirrhosis (rat), 99:785

Sucrose loading, vesicular-dependent bile flow (rat), 99:478

Sulfation of peptides, human liver tyrosylsulfotransferase, 99:1072

Sulfhydryls, in stress-induced gastric lesions (rat), 99:1607

Surface tension, thermodynamic effects of bile acids in stomach, 99:305

Surgery
for biliary atresia, long-term outcome, 99:1793
hepatic necrosis after resection, endotoxin effect (rat), 99:771
intestinal, adaptive hyperphagia with postsurgical malabsorption, 99:1814-cr
small bowel resection, ileal glucagon gene expression (rat), 99:724
Surgery of Anorectal Diseases: With Pre- and Postoperative Management, 99:1852-br

Surveillance, colonoscopic, in ulcerative colitis, 99:1021

Survival
colchicine effect in alcoholic hepatitis, 99:811
congestive gastropathy in cirrhosis, 99:1558

Swallowing
biomechanics of cricopharyngeal bars, 99:1269
and electrical and mechanical inhibition of crural diaphragm, 99:1265

T cells, receptor α-chain polymorphisms, in ulcerative colitis, 99:288-c

Taste sensitivity, phenylthiocarbamide in peptic ulcer disease, 99:66

Taurine conjugate of lagodeoxycholic acid (hamster, rabbit, rat), 99:1092

Taurocholate
and transcytotic vesicular pathways in liver (rat), 99:216
transport by plasma membrane vesicles of placental trophoblast, 99:1431

Taurolithocholic acid, sulfated, uncoupling of biliary lipid and bile acid secretion (rat), 99:1485

Thermodynamics, bile acids in stomach, 99:305

Toxicity
bismuth therapy, 99:863
hepatic, occupational exposure to dimethylformamide, 99:748

Transcytosis, vesicular pathways, taurocholate effects (rat), 99:216

Transferrin saturation tests, in iron-storage diseases, 1079

β_1 Transforming growth factor, and collagen synthesis by intestinal smooth muscle cells, 99:447

Transplantation
bone marrow, and orthotopic liver transplantation for graft-versus-host disease, 99:536
liver
for fulminant Wilson's disease, 99:1834 and liver biopsy, 99:1182-ss
The Pathology of Organ Transplantation, 99:1853-br

Transport, of lagodeoxycholic acid (hamster, rabbit, rat), 99:1092

Tumor necrosis factor-α, and macrophage-mediated hepatitis (mouse), 99:758

Tyrosine kinase, in intestinal microvillus membranes (rat), 99:370

Tyrosylsulfotransferase, of human liver, 99:1072

Ulcerative colitis
C-Ki-*ras* mutations, 99:416
colonoscopic surveillance, 99:1021
intestinal mast cell mediator release, 99:119
mesalamine enemas, 99:113
and oral contraceptives, 99:1032
parenteral nutrition and medical therapy, 99:1647
and T-cell receptor α-chain polymorphisms, 99:288-c

Ulcers
duodenal
acid and pain, 99:603-c
acute and chronic stress, 99:1628
gastric acidity and plasma gastrin after omeprazole treatment and gastric vagotomy, 99:1593
and gastric, cost-effectiveness of cimetidine maintenance therapy, 99:27
healing and acid suppression, 99:345
omeprazole efficacy, 99:1858-c
prostaglandin E_2 release and bicarbonate secretion, 99:951
gastric, nocturnal acid secretion, 99:901-c
gastroduodenal, NSAID-induced, 99:1533-ss
peptic
bismuth therapy, 99:863
bleeding, multipolar electrocoagulation vs. injection therapy, 99:1303
phenylthiocarbamide taste sensitivity, 99:66

Ultrastructure. *See* Microscopy, electron.

Urea protection of *Helicobacter pylori* from bactericidal effect of acid, 99:697

Uridine diphosphate glucuronosyltransferase, and bilirubin conjugates (rat), 99:488

Ursodeoxycholic acid
for asymptomatic primary sclerosing cholangitis, 99:533
and gallbladder contraction and CCK release in gallstone patients, 99:836
and gallbladder motility in cholesterol gallstone disease, 99:1779
and HLA molecules on hepatocytes, 99:561-ss

Vagotomy
gastric, in duodenal ulcer patients, gastric acidity and plasma gastrin after omeprazole treatment, 99:1593
truncal, and parietal cell mass and antral gastrin cells (dog), 99:1581

Vagus nerve, pancreastatin effects, and pancreatic exocrine secretion (rat), 99:1751

Variceal
bleeding, somatostatin effects, 99:1388, 1524-e

hemorrhage, hemodynamics of propranolol effects, 99:1401
Vasculature, mesenteric, laxative effects (rat), 99:1352
Vasoactive intestinal polypeptide (VIP), in sigmoid colon, and idiopathic constipation and diverticular disease, 99:666
Vesicles
hepatic, and bile flow in sucrose loading (rat), 99:478
membrane, of placental trophoblast, bile acid transport, 99:1431
Virus replication
hepatitis B virus antigen in liver tissue, 99:1248
and histology and aminotransferase levels, in chronic hepatitis B, 99:519
Vitamin E deficiency, oxidant damage to hepatic mitochondrial lipids in copper overload (rat), 99:1061

Weight loss
and hepatic function in overweight patients, 99:1408
intragastric balloon in super-morbid obesity, 99:362
Wilson's disease, fulminant, heterotopic liver transplantation for, 99:1834

X antigen and antibody markers, in hepadnavirus infections, 99:500

Zinc coproporphyrin, meconium marker in neonates, 99:1705
Zollinger–Ellison syndrome
hormone elevations, pancreatic endocrine tumor syndrome, 99:1565
misdiagnosis due to hyperlipidemia, 99:1511
and omeprazole therapy, effect on gastric oxyntic endocrine cells, 99:943
operative endoscopic transillumination of gastrinomas, 99:1622
reflux esophagitis, 99:1858-c
and surgery, omeprazole effects, 99:10
ultrastructure of endocrine cells of oxyntic mucosa, 99:17